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PHILADELPHIA COLLEGE OF OSTEOPATHIC MEDICINE (PCOM)

4150-90 City Avenue, Philadelphia, Pennsylvania 19131 (215) 581-6000

Cover photo: View of Evans Hall from the 4190 Building.

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Philadelphia College of Osteopathic Medicine does not discriminate on the basis of age, race, color, national and ethnic origins, sex, religion or handicap in the administration of its employment and educational policies, student admissions policies, scholarship and loan programs, patient admissions and services, and other programs administered by the college, hospital, health care centers and school of allied health.

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Philadelphia College of Osteopathic Medicine

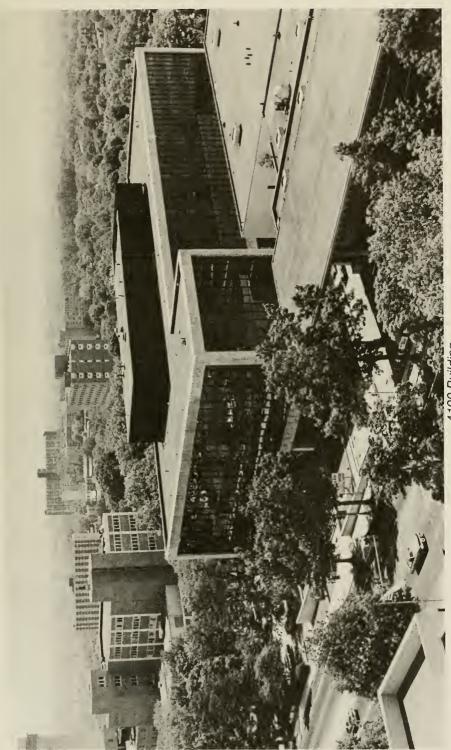
Administration Building Evans Hall

Hospital of PCOM

H. Walter Evans Hall



H. Walter Evans Hall



THE PURPOSE OF

PHILADELPHIA COLLEGE OF OSTEOPATHIC MEDICINE

is to conduct and maintain a college of osteopathic medicine, health care centers and hospital which shall provide programs of instruction and training in the art, science and practice of osteopathic medicine, in accordance with the osteopathic concept of etiology, diagnosis, prevention and treatment; a major emphasis is placed upon the education of students for general family practice.

ACCREDITATION

Philadelphia College of Osteopathic Medicine is approved by the American Osteopathic Association upon recommendation of its Bureau of Professional Education, the recognized accrediting agency for the approval of colleges preparing osteopathic physicians and surgeons. The Bureau of Professional Education, which is recognized by the National Commission on Accrediting, and the American Association of Colleges of Osteopathic Medicine are constituent members of the American Council on Education. The college is also accredited by the Department of Education of the Commonwealth of Pennsylvania.

Colleges accredited by the American Osteopathic Association:

- Provide students with an educational program which will assure their development into competent osteopathic physicians;
- Contribute to the advancement of knowledge and the development of the osteopathic contribution to medicine through research programs;
- Create opportunities for continuing study for the development of teachers, investigators and physicians;
- Contribute to the community by providing distinctive health care.

MEMBERSHIPS

Philadelphia College of Osteopathic Medicine is a member of the American Council on Education and the Association of Academic Health Centers.

CALENDAR FOR 1980-81

FIRST SEMESTER

August 19 First-Year Class—Registration and Orientation

First Tuition Payment Due

August 20 First-Year Class—Orientation

Second-Year Class—Registration

First Tuition Payment Due

August 21 Classes Begin

Convocation

September 1 Labor Day

November 27-30 Thanksgiving Recess

December 10 First Semester Ends at the Close of Classes

December 15-19 Final Examinations

December 20 Winter Recess

SECOND SEMESTER

January 8 Classes Begin

Second Tuition Payment Due

January 23 Founders Day Assembly

March 14-22 Spring Recess

March 19-20 Fourth Year Class—National Boards—Part II

March 23 Classes Resume

May 6 Second Semester Ends at the Close of Classes

May 11-15 Final Examinations
May 26 Fourth Year Begins
May 31 Commencement

June 11-12 Second Year Class—National Boards—Part I

June 22 Third Year Begins

The college reserves the right to change terms and conditions stated in this catalog at any time. This catalog is not to be construed as the basis of any contract between the college and the student.

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Clarion

William Ketner, D.O.

Conyngham

John Duffy, D.O.

Danielsville

Arthur Feldman, D.O.

Downingtown

Leonard Giunta, D.O.

Drums

George Yurko, D.O.

Faston

G. Bruce Miles, D.O.

Emmaus

Robert D. Barnes, D.O.

John M. Heid, D.O.

Ephrata

Michael Szutowicz, D.O.

Robert B. Allison, D.O.

Freeland

Robert Baran, D.O.

Fullertown

William Lozinger, D.O.

Gerald Melamut, D.O.

Grantville

Thomas E. Trosko, D.O.

Hatboro

Marvin Malamut, D.O.

Stanley Travis, D.O.

Harlevsville

David Ginsberg, D.O.

Harrisville

Raymond Saloom, D.O.

Hazleton

Arthur Koch, D.O.

Johnstown

Joseph Calafjore, D.O.

Lansdale

Edwin Detweiler, D.O.

Lehanon

John Fidler, D.O.

Lehighton

Raymond Scholl, D.O.

Lewistown

James Xanthopoulos, D.O.

Lionville

Farl Trievel, D.O.

Lititz

Gerald Weaver, D.O.

Lykens

Edward Lentz, D.O.

McVevtown

Thomas Meier, D.O.

Macungie

William Bollman, D.O.

Patrick McCarthy, D.O.

Edward McGinley, D.O.

Mainland

Robert Motsay, D.O.

Manheim

Kenneth Lovell, D.O.

Peter Nicolazzo, D.O.

Marvsville

Robert Matzko, D.O.

Millersville

Chester Kwoka, D.O.

Natalie Kwoka, D.O.

Milton

Barclay Wilson, D.O.

Morgantown

Leonard Fina, D.O.

Morrisville

David Miller, D.O.

David Weiss, D.O.

Mountaintop

Craig Pursell, D.O.

Mt. Union

J. Paul Clymer, D.O.

Nazareth Eugene Kostick, D.O.

New Cumberland

Samuel Mowery, D.O.

New Freedom

Craig Bradley, D.O.

Ann M. Shemo, D.O. Richman G. Weaver, D.O.

Norrietown

Robert Leopold, D.O. Arnold Sokol, D.O.

Oaks

Stewart B. Foreman, D.O.

Orefield

Dennis Kuehner, D.O.

Orwigsberg

Lewis Sims, D.O.

Philadelphia

Peter A. Arcuri, D.O.

Horace Barsh, D.O.

Theodore Bear, D.O.

Robert J. Bell. D.O. Burton Blender, D.O.

Charles Bolno, D.O.

Charles Bridges, D.O.

Morton Brownstein, D.O.

Vernon C. Buckley, D.O.

Anthony S. Ciminera, D.O.

David Cramer, D.O.

Robert Crowell, D.O.

Joseph Czarnecki, D.O. Jack A. Danton, D.O.

Philip Dorfner, D.O.

Leon Gosiniack, D.O.

Albert Grayce, D.O.

Frederick C. Hawkins, D.O.

Hymen Kanoff, D.O.

Leroy Kearney, D.O.

Norman S. Knee, D.O.

Carl Kodroff, D.O.

Abraham Koenigsberg, D.O.

Larry S. Kramer, D.O.

Albert Kroser, D.O.

Neil S. Krouse, D.O.

Sigmund Landis, D.O.

Anthony Lobianco, D.O.

Reuben B. Loeb, D.O.

Joseph Marino, D.O.

Jerome Miller, D.O.

Charles Morrone, D.O. Herman Palat, D.O.

John J. Peditto, D.O.

Joseph Peditto, D.O.

Leonard Schaffer, D.O.

Kerwin H. Seiden, D.O.

Maurice Singer, D.O.

Lawrence P. Stillman, D.O.

Donald Stoltz, D.O.

Marvin E. Stultz. D.O.

Jerome Sulman, D.O.

Melvin Twersky, D.O.

William Weisberg, D.O.

E. Norman Weiss, D.O. Brian Whitman, D.O.

Pittston

John Callahan, D.O. Richard Colarusso, D.O. Port Royal

Horace Bacon, D.O.

Potteville

Joseph Flynn, D.O. Carl J. Forster, D.O.

Quakertown

C. Glenn Kramer, D.O. Edmund Zapp, D.O.

Quarryville

Paul W Herr D.O.

Salishury

Grant Atwell, D.O. Flyin Martin, D.O.

Sarver

Richard W. Knab. D.O. Wesley Minteer, Jr., D.O.

Schwenksville

Burton Ginsberg, D.O.

Milton Soiferman, D.O.

Secane

Robert G. Rothberg, D.O.

Sharon

Thomas Armour, D.O. Robert Cicuto, D.O.

Joseph J. Conti. D.O.

John Coupland, D.O.

William McDowell, D.O.

Sharpsville

Vincent Ciambotti, D.O.

Souderton

Richard Ruth, D.O.

Strasburg

Richard Chambers, D.O.

Tower City

Stanley Doe, D.O.

Vandling

Patrick McAndrews, D.O.

Warminster

Marvin Malamut, D.O. Stuart Topkis, D.O.

Gilbert Weisman, D.O.

John Wilson, D.O.

Watsontown

Steven G. Wood

West Chester

Edward P. Rock, D.O.

Whitehaven

Frederick Scholler, D.O.

Wind Gap

Louis Totani, D.O.

York

Philip Mouer, D.O.

CALIFORNIA

San Diego

Michael Feinstein, D.O. Sol Lizerbram, D.O.

MAINE Unity Harrison Aldrich, D.O. Kamlesh Bajpal, D.O. NEW JERSEY

Cherry Hill Richard Simon, D.O.

Warren Wolf, D.O.

Pennington Alexander Farina, D.O.

Thomas Piepszak, D.O.

Tansboro John Banks, D.O. Ronald Goldberg, D.O. **NEW YORK** Silver Creek Edmund C. Barnes, D.O. James M. Barnes, D.O.

Robert F. Barnes, D.O.

AFFILIATED OSTEOPATHIC HOSPITALS

Philadelphia College of Osteopathic Medicine appreciates the support and cooperation of the following osteopathic hospitals in providing students with clinical clerkships:

Allentown Osteopathic Hospital

Allentown, Pa.

Philip Rosenthal, Administrator

Richard K. Snyder, D.O., Medical Director and Vice-President for Medical Affairs

Cherry Hill Medical Center

Cherry Hill, N.J.

W. Hudson Connery, Jr., Executive Director Theodore Weinberg, D.O., Director of Medical Education

Clarion Osteopathic Community Hospital

Clarion, Pa.

Edward L. T. Lyon, Chief Executive Officer Ronald L. Buckley, D.O., Director of Medical

Community General Osteopathic Hospital

Harrisburg, Pa.

Education

George R. Systematics Commission

John W. Kauzlarich, D.O., Director of Medical Education

Delaware Valley Medical Center

Bristol, Pa.

Raymond Kipping, Administrator

A. Archie Feinstein, D.O., Director of Medical Education

Doctors Osteopathic Hospital

Erie, Pa.

Ralph F. Keilch, Executive Director R. O. Larsen, D.O., Director of Medical Education

Erie Osteopathic Hospital

Erie, Pa.

Charles DeMott, Administrator

John Ferretti, II, D.O., Director of Medical Education

Hospital of Philadelphia College of Osteopathic Medicine

Philadelphia, Pa.

Alfred A. Meltzer, Administrator

Richard M. Papa, D.O., Director of Medical Edu-

John F. Kennedy Memorial Hospital

Stratford, N.J.

A. R. Pirolli, Executive Director

Harry Bonier, D.O., Medical Director and Director of Medical Education

Lancaster Osteopathic Hospital

Lancaster, Pa.

Joseph A. Gordon, Executive Director Jeffrey Levine, D.O., Director of Medical Education

Lewistown Hospital

Lewistown, Pa.

Thomas W. Rees, Executive Director

Memorial Osteopathic Hospital

York, Pa.

David P. Hostler, President

John Sullivan, Director of Medical Education

Martin L. Lasky, D.O., Medical Director

Metropolitan Hospital

Philadelphia, Pa.

Wayne A. Byerly, Executive Director Michael I. Abraham, D.O., Acting Director of

Medical Education

Parkview Hospital

Philadelphia, Pa.

William T. Duncan, Administrator

Richard Anderson, D.O., Director of Medical Education

Riverside Osteopathic Hospital

Wilmington, Del.

Lee Baker, Executive Director

Herman Wing, M.D., Director of Medical Education

Saddle Brook General Hospital

Saddle Brook, NJ

John W. Pollina, Executive Director

David L. Sirota, D.O., Director of Medical Education

Shenango Valley Osteopathic Hospital

Farrell, Pa.

C. E. Clary, Administrator

Frederick G. Uberti, D.O., Director of Medical Education

Suburban General Hospital

Norristown, Pa.

Richard B. Anderson, Administrator,

Harold Schreiber, D.O., Director of Medical Education

Tri-County Hospital

Springfield, Pa.

Frank P. Kopczynski, Administrator

John J. Kelch, D.O., Director of Medical Education

United Community Hospital

Grove City, Pa.

George B. (Sam) Serrill, Administrator Betty Jo White, D.O., Director of Medical Educa-

Warren General Hospital

Warren, OH

Roy D. Pilasky, Administrator

Joseph A. Potocki, D.O., Co-Director of Medical

Education John W. Geren, D.O., Co-Director of Medical Education

Washington Memorial Hospital

Turnersville, N.J. James A. Deal, Administrator Alfred DiPiero, D.O., Director of Medical Education

Affiliated Veterans Administration Hospital

Veterans Administration Hospital Butler, Pa. D. E. Simmons, Director Richard Wellman, M.D., Chief of Staff

Eugene Thompson, M.D., Chief of Medical Services

HEALTH CARE CENTERS

Jerry A. Hickman, A.A.S., R.N., Administrator

Sullivan County Medical Center Main & Muncy Sts., Laporte, PA 18626 (717) 946-5101

Roxborough Health Care Center 430 Krams Ave., Phila., PA 19128 (215) 487-1313

Cambria Street Health Care Center 2204 W. Cambria St., Phila., PA 19132 (215) 226-6525

48th Street Health Care Center 48th & Spruce Sts., Phila., PA 19139 (215) SH8-1000 **Greenwood Medical Center** P.O. Box 80, Millerstown, PA 17062 (717) 589-3144

Manheim Medical Center

R.D. #5 Doe Run Road Manheim, PA 17545 (717) 665-6400

(717) 665-6400 **Southern Huntingdon County Medical Center** Orbisonia, PA 17243 (814) 447-5556

STAFF PHYSICIANS

Stephen Fedec, D.O., 48th Street John J. Flaherty, D.O., Roxborough Robert M. Keaney, D.O., Greenwood Kenneth F. Lovell, D.O., Manheim Eugene Mochan, D.O., Roxborough

Peter Nicolazzo, D.O., Manheim Michael Rainey, D.O., Sullivan County Stacey Robertson, D.O., Southern Huntington County George Vermiere, D.O., Cambria Street

GENERAL INFORMATION

HISTORICAL DEVELOPMENT

Philadelphia College of Osteopathic Medicine is the largest of the 14 osteopathic medical colleges in the United States and the tenth largest medical school in the country. During the past 81 years PCOM has graduated over 5600 osteopathic physicians, beginning with one transfer student who completed his studies in 1899, through the class of 1980 with 202 members. The City Avenue educational-health care complex is a visual reminder of the important role PCOM has played and continues to play in the education of osteopathic physicians.

The college was founded in 1899 by Mason Pressly, D.O., and Oscar John Snyder, D.O. The annual Founders Day observance commemorates the establishment of the college as a professional school dedicated to improved "methods of the healing art in accordance with osteopathic theories of etiology, diagnosis, the prevention and treatment of diseases in general, and the practice of surgery, obstetrics and the specialties" and to "osteopathic research and the dissemination of scientific knowledge."

PCOM was incorporated as "The Philadelphia College and Infirmary of Osteopathy" on January 24, 1899 under the laws of the State of New Jersey. The first class was graduated in 1900. In 1921 the name of "Philadelphia College of Osteopathy, Inc." was authorized.

The current corporate functioning, the right to the name and the authority to operate a college of the healing arts, come from a merger in 1953 of two Pennsylvania non-profit corporations; Osteopathic Hospital of Philadelphia and Osteopathic Foundation of Philadelphia. The name, Philadelphia College of Osteopathic Medicine, was adopted in 1967.

Instruction began in 1899 in two rooms of the Stephen Girard Building in Philadelphia, and moved shortly thereafter to the Witherspoon Building. As the college expanded, it occupied various sites throughout the city: 1903, the northeast corner of 33rd and Arch Streets; 1908-1911, 1715 North Broad Street; 1912-1916, 832 Pine Street; 1916-1928, 19th and Spring Garden Streets (the Rayburn Mansion).

The Osteopathic Hospital of Philadelphia, an outgrowth of a dispensary at 1617 Fairmount Avenue, was chartered under the laws of Pennsylvania on May 10, 1911, "to establish, support and conduct a general hospital for the treatment of sick and injured persons." It was established at 410 South 9th Street. When the college moved to 19th and Spring Garden Streets, the hospital was temporarily quartered at 1725 Spring Garden Street until a 50-bed hospital building was erected adjoining the college. Subsequently two properties adjacent to the college on Spring Garden Street were purchased to serve as annexes to the college and hospital.

In 1928 the Board of Directors purchased a site at the northeast corner of 48th and Spruce Streets, upon which was erected in 1929 a new college, hospital and administration building at a cost of one million dollars. The collegiate Gothic building, designated by the Philadelphia Art Commission as "the most beautiful building erected in the city in 1929," was to serve as the home of Philadelphia College of Osteopathic Medicine for 45 years. It continues to serve as the college's west campus, furnishing instructional and laboratory facilities for the departments of

anatomy and physiologic chemistry. The former hospital area has been renovated to provide a major health care center.

In 1951 PCOM, with funds supplied by the hospital staff, purchased the building and grounds of the Women's Homeopathic Hospital of Philadelphia. The building served as a hospital until 1968 and as a health care center until January of 1976.

In 1957 Philadelphia College of Osteopathic Medicine purchased the 16-acre Moss estate on City Avenue for development as an osteopathic medical center. The original Moss mansion serves as an administration center. The first new building on the campus, the Hospital of PCOM, dedicated to patient care, teaching and research, was constructed for the college by the General State Authority of the Commonwealth of Pennsylvania and opened in March, 1968. The 212-bed hospital is designed to be expanded to 600 beds by construction of additional floors. All inpatient services are now consolidated at the City Avenue hospital.

In August, 1977, PCOM purchased a five-story office building at 4190 City Avenue next to the campus for \$2,225,000. The purchase helped the college move closer to consolidating its campus at City Avenue. The anatomy and physiological chemistry departments are expected to be moved from the West Philadelphia Campus at 48th and Spruce Streets to City Avenue during 1980-81, although the college will continue to maintain a community health care center in the West Philadelphia area. Architects began planning renovations to the 4190 building in late 1977.

SCHOOL OF ALLIED HEALTH

In April, 1978, the corporation established a school of allied health. Funded by a CETA (Comprehensive Employment and Training Act) grant, the school is a joint venture by PCOM and District 1199C of the National Union of Hospital and Health Care Employees.

The school's philosophy is to train students only to fill jobs for which there is a demonstrated need. By the time the first class of 26 students graduated in April, 1979, most already were placed in positions.

The program includes electroencephalographic (EEG) technologist, electrocardiographic (EKG) technician, medical assistant, dental assistant, psychiatric technician and diagnostic medical sonographer.

Beside the school's own staff, members of PCOM's faculty and staff also serve on the faculty.

DEFINITION OF OSTEOPATHIC MEDICINE

Osteopathic medicine is a complete and comprehensive system of medical practice which recognizes that the neuro-musculoskeletal system is of major importance to human life. The inter-relationships between this major system and the body's internal environment form the basis of the osteopathic concept.

The osteopathic physician incorporates evaluation and treatment of the musculoskeletal system as a basis for his/her approach to health and disease, combining it with the diagnostic and therapeutic modalities used by other scientific approaches to the healing arts.

The osteopathic profession, through the American Osteopathic Association, maintains its own schools of education and its own system of hospitals. General practice is emphasized in the educational program, and a majority of graduates enter this field. However, osteopathic physicians participate in all specialty and subspecialty areas of current medical practice.

Educational Facilities

EVANS HALL

Evans Hall, the college, library, laboratory and research building, provides facilities for medical education and can be readily adapted to future educational concepts. Careful planning has provided for interchangeability of facilities to accommodate changing emphases in medical instruction in decades ahead.

The building's design incorporates the teaching of large classes with the enrichment of teacher-student relationships through the use of sophisticated electronic teaching aids and small combination library-seminar rooms. A student lounge area on the second floor encourages informal study groups and faculty-student dialogue. Faculty offices throughout the building are combined with laboratories where teachers and graduate students may pursue research.

Evans Hall is equipped with a wide variety of instructional media, exhibit areas and electronic communication equipment. The department of educational communications, located on the ground level, features a television studio and control booth for the production of color or black and white programs, closed-circuit telecasts or video tapes. Television monitors are built into lecture halls, laboratories and other selected areas throughout the building. The Hospital of PCOM and Evans Hall can be linked into a single system capable of video-taping and telecasting surgical procedures, laboratory experiments, demonstrations and lectures. Facilities are available in the department for the preparation of slides and medical illustrations. The department also features a graphic arts section and an extensive photographic laboratory.

Two amphitheater-type lecture halls on the first level accommodate 200 students each. The halls have extensive audiovisual capabilities and are equipped with rear and front screen projection booths. The electronic system includes electrical connection boxes at each seat for the amplification of a patient's heartbeat.

Carrels provide individual study centers in four areas of Evans Hall. These individually-assigned cubicles give the student a private office for study.

O.J. SNYDER MEMORIAL LIBRARY

The O.J. Snyder Memorial Library, located on the first floor of Evans Hall, incorporates the newest concepts in library facilities and resources. With a volume capacity of 75,000, the library currently houses over 41,700 volumes, including bound periodicals. The library subscribes to 420 medical journals and houses 2392 audio cassettes, 718 video tapes, and 112 35mm microfilmed rolls of medical information.

Library services include reference, inter-library loans, photocopying, abstracting and indexing, and MEDLINE and manual bibliographic searches and microfilming. Audiovisual facilities include four soundproof booths equipped with electrical outlets for tape-cassette players, TV monitors and headphones. Individual carrels on the library's second level furnish private study space for students, visiting physicians and scholars. A main reading hall is located in the middle of the library.

Historical records of PCOM's past, and archival materials on medicine and osteopathy are housed in the Archival Section of the library. Special sections such as an Osteopathic Collection, and Abstracting and Indexing are provided on the mezzanine floor.



Department publications include the Library Handbook, Library Newsletter, Union List of Osteopathic Literature, the Archival Collection, the Osteopathic Collection, Periodicals and Pamphlets, A.V. Materials and bibliographies on various subjects housed in the library.

Portraits of PCOM's distinguished faculty members, administrators and leaders in osteopathic medicine hang in the library.

BOOKSTORE

The college bookstore, located on the first floor of 4190, provides a convenient source for required textbooks and academic supplies. Special orders for unstocked titles may be placed through the store manager. Gift items are also available.

SPECIAL COLLECTIONS

The college maintains a number of museum collections which assist in instruction in various areas of study.

The anatomy laboratory at 48th Street, chartered originally as the Harvey School of Anatomy, houses the Angus Gordon Cathie, D.O., Collection, a display of special dissections, specimens and models. The collection includes both normal and pathological specimens, serial sections, dissections and mounted preparations illustrating the major diseases. Among the most notable are the collection of bone specimens, human embryos, Spalteholz preparations and models of the development of the cardiovascular system. The collection is recognized as one of the best of its kind in the world.

A radiological collection established by Paul Turner Lloyd, D.O., is currently housed at 48th Street and displays a number of pieces of equipment, some very rare, demonstrating the historical development of radiology.

On the fourth floor of Evans Hall a pathology collection is displayed which features 1,000 permanently mounted specimens of disease states of various organs.

HEALTH CARE CENTERS

Philadelphia College of Osteopathic Medicine operates four outpatient health care centers which furnish medical care to urban and rural communities and provide education in family medicine for students.

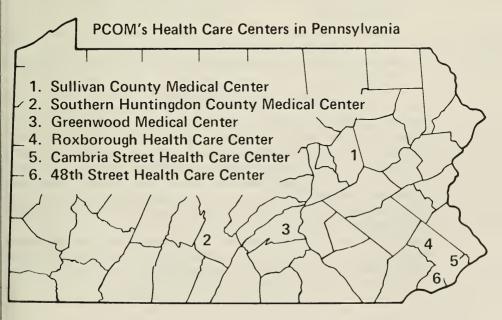
The college began an expanded program of rural health care delivery with the opening of its own rural health, outreach and training center in Laporte, Sullivan County, Pa., in 1970. In 1976 PCOM became the health care provider for the Greenwood Medical Center, Millerstown, Pa. The college also cooperates with the Southern Huntingdon County Medical Center, Orbisonia, Pa., by providing students on clinical rotations.

A major health care center is located at 48th and Spruce Streets, in the former college and hospital building. Besides family practice services, this outpatient unit provides specialty clinic services in general surgery, obstetrics and gynecology, pediatrics, ophthalmology, proctology, otorhinolaryngology, neurosurgery, medical specialties, neurology, psychiatry, dermatology and osteopathic therapeutics.

The college operates two other health care centers in Philadelphia —one in the Roxborough-Manayunk area, opened in 1973; and one at 22nd and Cambria Streets in North Philadelphia, opened in 1976. This latter center previously was located at 20th and Susquehanna Avenue.

A staff of professional teaching supervisors in the health care centers provides instruction for individual students in all phases of osteopathic medicine. The great number of outpatients further assures experience in the care of patients with a wide range of disease conditions.

The schedule for the third- and fourth-year class is so arranged that students are daily occupied in the practical work of the centers, on patient floors and in laboratories and operating rooms of the Hospital of PCOM and affiliated hospitals. The program is designed to give students the optimum clinical education.



ADMISSION

REQUIREMENTS FOR ADMISSION

An applicant for admission to Philadelphia College of Osteopathic Medicine is reminded that as a candidate for the degree of Doctor of Osteopathy, and for membership in the osteopathic profession, breadth of education, quality of character, nature of personality, and sense of dedication to service have always been major factors in the success of a physician's life and work. Listed below are the minimal requirements for consideration for admission. The undergraduate student is encouraged to pursue advanced studies in biology and chemistry as his or her program permits. It should be emphasized, however, that the broad liberal aspects of undergraduate education should not be sacrificed unduly in order to pursue advanced programs in the sciences.

- (a) Four years of study of satisfactory quality in an accredited secondary school.
- (b) A bachelor's degree from an accredited college or university is required with specified courses in biology, chemistry, physics and English. Applications from students with three years of exceptional work may be considered. The details of requirement (b) are as follow:
 - Biology: A minimum of 8 semester hours (one year) of which at least 2 should be in laboratory work. This requirement may be satisfied by a course of 8 semester hours in general biology or zoology, or by courses of 4 semester hours each in zoology and botany, but not by botany alone.
 - 2. Inorganic Chemistry: A full course of at least 8 semester hours (one year) of which at least 2 should be laboratory.
 - 3. Organic Chemistry: A full course of at least 6 semester hours (one year) and preferably 8 semester hours of which at least 2 should be in laboratory work.
 - 4. Physics: A minimum of 8 semester hours (one year) of which at least 2 should be laboratory work.
 - 5. English: A minimum of 6 semester hours (one year) in composition and literature.
- (c) Each applicant must submit the new Medical College Admission Test Scores. Information concerning this test may be obtained from the preprofessional adviser at one's college or directly from the American College Training Program, Medical College Admission Test, P.O. Box 414, Iowa City, Iowa 52240. This examination is given in the spring and fall. Applicants are urged to take the examination in the spring of the junior year. Applicants who have taken the test and have not had scores forwarded to the college may write to the above address and request that they be sent. There is a \$2 charge for this service (\$3 if sent air mail). The code number for Philadelphia College of Osteopathic Medicine is 601.
- (d) Each student enrolled in the college must have in the college files certificates of preliminary education issued by the Pennsylvania Department of Education. Further instructions regarding the securing of these certificates will be supplied by the Director of Admissions after acceptance.

METHOD OF MAKING APPLICATION

Applications for a given academic year must be postmarked no later than December 1 preceding the opening of the next academic year. Early application and fulfillment of application requirements are essential. All application materials, i.e., letters of recommendation, transcripts, MCAT scores, must be received by January 1 of the year for which matriculation is intended.

Upon receipt of the completed application and required credentials, the faculty committee on admissions will select those who are to be interviewed. Those applicants so selected will be notified in writing of the time and place. Even though all applicants who are eventually accepted must be interviewed, a request to appear for an interview should not be construed by the applicant as evidence of final acceptance.

All inquiries about admission should be addressed to the Director of Admissions and Student Affairs. The application form supplied by the Director of Admissions must be properly executed and submitted with an application fee of \$50.00. The fee is not refundable.

Philadelphia College of Osteopathic Medicine, following its longstanding practice, welcomes qualified students, faculty, and staff from all racial, religious, ethnic, and socio-economic backgrounds of both sexes.

REQUIREMENTS FOR GRADUATION

Every candidate for the degree of Doctor of Osteopathy (D.O.) must be at least twenty-one years of age, be of good moral character, have satisfactorily passed all prescribed examinations, have satisfactorily completed the program of study required for the degree, including specific departmental requirements and must be free from indebtedness to the college and its affiliated organizations. The candidate must attend in person the commencement at which the degree is conferred.

Attendance at the college is a privilege granted to the student in consideration of performance of specified assignments and maintenance of established standards of personal and professional conduct.

The college reserves the right, and the student, by the act of matriculation, concedes to the college the right to require withdrawal at any time the college deems it necessary to safeguard its standards of scholarship, conduct and compliance with regulations or for such other reasons as are deemed appropriate.

REQUIREMENTS FOR PRACTICE

A student attaining the degree of Doctor of Osteopathy is required to take state board licensing examinations in order to practice in the state or states of his/her choice. Such examinations are given by state boards of osteopathic examiners, medical boards or composite medical and osteopathic boards of examiners, as regulated by the laws of the states. The passing of board examinations and the subsequent licensing includes the privilege of registering for practice in some other states without further examinations. Students and graduates of Philadelphia College of Osteopathic Medicine are eligible for examinations of the National Board of Osteopathic Examiners.

FINANCIAL INFORMATION

TUITION

Annual tuition for 1980-81 has been set by the Board of Trustees at \$7600.00 for those students determined by the college to be residents of the Commonwealth of Pennsylvania. For all other students, the annual tuition for 1980-81 has been set at \$7900.00. Upon notification of acceptance, an advance payment of \$100.00 is required to reserve your position in the class for which you are accepted. This advance payment will be deducted from the tuition payment due on Registration Day, but is not refundable in case of withdrawal or final refusal of admission.

One-half of the tuition is due at registration in August. The balance is due January 8, 1981. These tuition fees are subject to change at any time.

USAGE FEE

An annual equipment usage fee of \$35.00 will be charged each student in the first- and second-year class and is due on Registration Day in August.

STUDENT COUNCIL FEE

The Student Council, with approval of the Board of Trustees, may assess the students from time to time on a per capita basis to finance its operation. (These fees do not come within the scope of Veterans Administration Regulations). The annual fee for 1980-81 is \$35.00, with \$16.00 designated for the yearbook and due on Registration Day.

GRADUATION FEE

Every candidate for the degree of Doctor of Osteopathy must pay a graduation fee of \$75.00. This fee is due for the fourth-year class of 1980-81 on January 8, 1981.

LATE PAYMENT FEE

If your tuition or fees are unpaid, or your physical examination has not been completed at registration time or as scheduled, you may be barred from classes until your registration is completed. You will be held accountable for all absences incurred, and a fine of \$50.00 will be levied for failure to register and pay all fees at the scheduled time. Further, a late payment charge of 1% per month will be made on the outstanding balance of unpaid tuition and fees.

REFUND POLICY

If a student withdraws from college because of illness or other physical disability within two months of the time a tuition payment was made, a pro rata refund may be authorized, provided the student files with the Dean a written notification of intent to withdraw, together with a physician's statement on his/her health.

In no case will tuition already paid be refunded for a dishonorable dismissal, or for dismissal or withdrawal on account of poor scholarship. If a student chooses to withdraw for any other reason, or is granted a leave of absence during either the first or second payment period of the academic year, a tuition refund may be authorized as follows:

The effective date of withdrawal is the date on which the student files with the Dean a request for withdrawal or leave of absence.

The amount of refund allowable is:

Withdrawal Within	of Refund
First Week After Tuition Payment	75%
Second Through Fourth Week After Tuition Payment	50%
Fifth Week and Thereafter	-0-

Fees, or any portion of fees paid are not returnable or transferable.

The refund policy is subject to change at the discretion of the Board of Trustees, but, in no instance will a change be retroactive.

STUDENT LOANS AND SCHOLARSHIPS

The Auxiliary to the American Osteopathic Association awards scholarships annually. An applicant for a scholarship must have received a tentative acceptance by an osteopathic college and must apply for the scholarship by May 1 of the year of matriculation. Applications and inquiries for the scholarships should be addressed to the Scholarship Chairman, Auxiliary to the American Osteopathic Association, 212 East Ohio Street, Chicago, IL 60611.

The Student Loan Fund of the American Osteopathic Association has been established to render financial assistance to third- and fourth-year students. Further information is available in the Financial Aid Office. Applications also are available in PCOM's Office of Admissions and Student Affairs.

PCOM's Alumni Association has established a loan fund for third-and fourth-year students. The maximum loan available is \$1000 per year, based on the availability of funds. Applications are available in the Financial Aid Office.

Philadelphia College of Osteopathic Medicine is a participant in the Health Professions Loan Programs under the Health Professions Education Assistance Amendments. Loans are available to worthy students based on need and availability of funds. The programs are administered by the financial aid office. Students are also eligible for National Direct Student Loans, based on need and availability of funds.

Students may apply for the National Health Service Corps Scholarships administered by the U.S. Public Health Service. To apply for the Armed Forces Scholarship Program, contact the nearest recruiting office. Information on both programs is also available in the financial aid office.

A pamphlet entitled "Sources of Financial Aid" has been prepared by the financial aid office to advise students of other loans and scholarships. This pamphlet will be distributed to each applicant.

MICROSCOPES

Each student entering Philadelphia College of Osteopathic Medicine is required, prior to the beginning of classes, to secure a quality binocular microscope with built-in light source, with a quadruple nose piece (low or scan, 10X, highdry, and oil immersion lenses) and a 10X evepiece.



STUDENT LIFE

STUDENT ACTIVITIES

Student Council

The program of student activities is directed by a Student Council, comprised of elected representatives from the four classes. The president of the organization is elected by the student body. Regular meetings are held throughout the year. The Student Council expresses itself in matters affecting general student interests and is the official liaison body between the student body and the college.

Societies

Other student organizations are: the Christian Osteopathic Society, the Undergraduate Academy of Applied Osteopathy, the PCOM chapter of St. George's Society, the Student Osteopathic Medical Association (SOMA), Student Pennsylvania Osteopathic Medical Association, and the Undergraduate Chapter of the American College of General Practitioners in Osteopathic Medicine and Surgery. The Students Associate Auxiliary, affiliated with the Auxiliary to the American Osteopathic Association, is organized to provide activities and educational opportunities for student spouses.



Fraternities and Sororities

Fraternities with chapters at Philadelphia College of Osteopathic Medicine are Phi Sigma Gamma, and the Lambda Omicron Gamma. The Sorority at Philadelphia College of Osteopathic Medicine is the Omega Chapter of Delta Omega.

An interfraternity council, consisting of representatives from each fraternity, supervises and directs the affairs of common interest to these organizations. The council, subject to consultation with the Director of Student Affairs, works cooperatively with a committee of the Student Council.

Honor Society

Sigma Sigma Phi, of which Zeta Chapter is the Philadelphia College of Osteopathic Medicine's unit, is an osteopathic honor society, election to which is based upon scholarship and leadership in college activities. The society, in addition to its function of leadership, also serves as a service group wherever it can be of help in college affairs. Selection of candidates for membership is by vote of both student and faculty members.

STUDENT HEALTH SERVICE

The college provides a health service for its students which includes office visits, a prescription service and laboratory work and special examinations when approved by the Student Health Physician. The Student Health Service is only for students of the college and does not include spouses or dependents.

Each student automatically receives Blue Cross coverage at no cost to the student. Family coverage and/or Blue Shield coverage are available through the college at the student's expense.

STUDENT HOUSING

The college does not furnish student housing facilities on campus. However, a list of apartments and rooms in the area is available and kept in the Office of Admissions and Student Affairs.

STUDENT EMPLOYMENT

The program of professional study is quite rigorous. Employment during the academic year should be undertaken only if absolutely necessary.

In its program to furnish assistance to students, Philadelphia College of Osteopathic Medicine employs students and/or their spouses.

As specified in the provisions of the Pennsylvania Unemployment Compensation Law, employment of students and/or their spouses will not be covered by any program of unemployment insurance.

PCOM participates in the College Work Study Program on an on-campus basis. Students accepted for enrollment who can demonstrate financial need as determined by the Graduate and Professional School Financial Aid Service's (GAPSFAS) needs analysis are eligible to participate. Applications may be obtained from the Director of Admissions and Student Affairs. Additional information is available in that office or in the financial aid office.

THE FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT

The Family Educational Rights and Privacy Act of 1974 places certain limitations on the disclosure of personally identifiable information maintained by Philadelphia College of Osteopathic Medicine with respect to students, limits access to educational records, and gives students certain rights with respect to such educational records, including the right of access, the right to obtain copies (a charge of \$.25 per page will be made to defer costs of copying), the right to seek correction of such records through informal and formal internal procedures, and the right to place a statement in such educational records explaining any information which he or she believes to be inaccurate or misleading.

Philadelphia College of Osteopathic Medicine has adopted a policy with respect to its student educational records consistent with the requirements of the Family Educational Rights and Privacy Act and the regulations promulgated thereunder. Copies of this policy may be obtained from the Director of Admissions and Student Affairs, Evans Hall, 4150-90 City Avenue, Philadelphia, PA, 19131.

Philadelphia College of Osteopathic Medicine considers certain information to be "directory information" under the Family Educational Rights and Privacy Act and, therefore, subject to disclosure without prior consent of the student. Unless written objection is received within 20 days of the date of the notice which is sent to each student with the college's summer mailing, the college will treat your name, address, telephone number, date and place of birth, major field of study, dates of attendance, degrees and awards received, and the name of the undergraduate and/or graduate schools you have attended as directory information. Objections must be in writing, shall be signed by the objecting student, and shall be directed to the Director of Admissions and Student Affairs at the address stated above.

Official copies, signed and sealed, of the permanent PCOM transcript will be sent directly to another educational institution, hospital, or government agency upon written request by a student or graduate. Only unofficial copies of a transcript will be issued to the student or graduate.

Complaints regarding alleged violations of rights accorded students by the Family Educational Rights and Privacy Act or the regulations promulgated thereunder may be directed, in writing, to the Family Educational Rights and Privacy Act Office, Department of Education, Room 4511, Switzer Bldg., 400 Maryland Avenue, S. W., Washington, D.C. 20202.

ALUMNI ASSOCIATION

OFFICERS-1980

President: Harrison F. Aldrich, D.O., '61

President-Elect: Robert S. Maurer, D.O., '62

Immediate Past President: Gustave V. Conti, D.O., '53

Vice-President: Joseph Pellettiere, D.O., '48

Secretary: Robert J. Furey, D.O., '52 Treasurer: Galen S. Young, D.O., '35

Representing the College Administration:

Thomas M. Rowland, Jr., LL.D. (hon.), D.Sc. (hon.), President Hale T. Peffall, Jr., Executive Director, Alumni Relations

BOARD OF DIRECTORS

New England District: Theodore M. Kellogg, D.O., '54; Joseph A. Ackill, D.O., '67 New York District: Joseph Pellettiere, D.O., '48; Rio S. Sferrazza, D.O., '61; John Lalli, D.O., '35.

New Jersey District: Michael Sutula, D.O., '59; Robert A. Renza, D.O., '62; William B. Wilson, D.O., '32.

Pennsylvania District: Robinson G. Fry, D.O., '56; Alfred A. Grilli, D.O., '48; A. Archie Feinstein, D.O., '42; Sidney Fishbein, D.O., '53; Albert F. D'Alonzo, D.O., '56.

Middle Atlantic and Southern District: John A. Cifala, D.O., '48; Alexander D. Xenakis, D.O., '56.

Middle West District: Henry Salkind, D.O., '56 Far West District: Richard S. Koch, D.O., '38.

The Alumni Association of PCOM was organized in 1902. Its purpose is to promote the interest and welfare of Philadelphia College of Osteopathic Medicine, to encourage the highest standards of osteopathic education, and to cultivate a close relationship among students, alumni and college staff. Any graduate of PCOM in good professional standing is eligible for membership.

Founded in 1899, the college has graduated 5,620 physicians. Today, alumni practice in 45 states and ten foreign countries.

An alumni reunion is held annually on the fourth weekend in January. This Founders Day/Alumni Weekend includes: a professional post-doctoral program with prominent alumni as speakers and panelists, and class reunions, a cocktail party and formal dinner dance. The Alumni Board of Directors meets triannually: during Alumni Weekend, at the June Commencement and at the convention of the American Osteopathic Association.

To keep alumni, students and parents aware of new developments in the college, the public relations department, with the cooperation of the office of alumni relations, publishes a quarterly magazine called the Digest of PCOM.

Projects of the Alumni Association include a student loan fund for third- and fourth-year students, presentation of gold medallions to the 50th anniversary class, class reunions and numerous student activities.

COURSE OF STUDY

It is the aim of the college to prepare the student for the general practice of osteopathic medicine. The first two years of the four-year program of instruction are concerned principally with the basic sciences: anatomy, histology, embryology, biochemistry, pathology, physiology, microbiology and immunology, and with introductory clinical studies in osteopathic manipulation, medicine, general practice, obstetrics and gynecology, pediatrics, surgery, neurology and psychiatry. During the second year, work is begun in physical diagnosis, osteopathic medicine and radiology. This serves as a base for the more advanced subjects of surgery, obstetrics and the various divisions of general osteopathic practice which occupy most of the final term of the second year and all of the last two years. During the third and fourth years, much of the emphasis is on actual clinical training experience with assignments in the general and special outpatient clinics and in the hospitals. The program is arranged so that the students, although always under the direct supervision of a qualified physician, will become able to assume an increasingly greater share of responsibility for all phases of patient care.

Throughout the curriculum the principles and practice of osteopathic manipulative technique are directed to their specific applications in each field. Clinical aspects are coordinated with the basic sciences during the first year and progressively lead into the clinical phases of practical application as the training program progresses

through the upper years.

SYNOPSIS OF CURRICULUM

FIRST YEAR FIRST TERM

		Laboratory/	
Course	Lecture	Conference	Total
Anatomy	9	5	14
Biochemistry	5	2	7
Emergency Medicine	1		1
History of Medicine & Osteopathy	1		1
Human Sexuality (Ob/Gyn)	1		1
Osteopathic Principles & Practice	1	2	3
		_	
Total Credit Units:	18	9	27

FIRST YEAR SECOND TERM

			Laboratory/	
Cour	se	Lecture	Conference	Total
	robiology	5	1	6
	urosensory Sciences	4	2	6
	eopathic Principles & Practice	1	2	3
	vsical Diagnosis (General Practice)	1	1	2
,	/siology	6	3	9
,	chiatry	2		2
	ventive Medicine & Nutrition	1		1
	(General Practice)	·		
,	(deficial Fractice)			
	Total Credit Units:	20	9	29
	Total Ofeuit Office		•	

SECOND YEAR FIRST TERM

LIU21 IEVM			
Course	Lantona	Laboratory/	
Dermatology	Lecture	Conference	Total
General Practice.	2		2
Neurology	1		1
Obstetrics and Gynecology	2		2
Ophthalmology	4		4
Ophthalmology	2		2
Osteopathic Principles & Practice	1	2	3
Otorhinolaryngology	2		2
Pathology and Laboratory Medicine	7		7
Pharmacology	5	1	6
Psychiatry	1		1
Public Health (Microbiology)	1		1
Rehabilitation Medicine	1		1
Surgery	3		3
	_		3
Total Credit Units:	32	3	25
	02	3	35
SECOND YEAR			
SECOND TERM			
Course		Laboratory/	
	Lecture	Conference	Total
Anesthesiology	1		1
Community Health	1		1
internal Medicine	10		10
Introduction to Inpatient Care		1	1
Law and Medical Jurisprudence	1		1
Osteopathic Principles & Practice	1	1	2
Pathology and Laboratory Medicine	4		4
Pediatrics	5		5
Psychiatry	1		1
Radiology	2		
Surgery	6		2
	O		6
Total Credit Units:	32	_	_
The croat critical and critical	32	2	34
THIRD YEAR			
		Week	s Hours
General Practice:			710013
Preceptor (Rural/Urban)			1 240
internal Medicine		c	
Neurology and Psychiatry	••••••••	4	
Obstetrics and Gynecology	••••••		
Otorhinolaryngology and Bronchoesophagology	• • • • • • • • • • • • • • • • • • • •	4	
Pediatrics		2	
Radiology	• • • • • • • • • • • • • • • • • • • •	4	
Radiology Surgery	•••••••	4	
Surgery Selective	••••••	8	
Selective		2	
Elective		8	480
vacation		Δ	
Totals		_	0000
		52	2880

FOURTH YEAR

	Weeks	Hours
Emergency Medicine	4	240
General Practice:		
	4	240
Hospital	4	
Health Care Center	12	720
Internal Medicine	12	720
Surgery	8	480
Surgery	_	
Elective	8	480
Vacation	4	_
Totalo	52	2880

TOTAL NUMBER OF EDUCATIONAL HOURS: 7980 hours; 2220 Lecture/Laboratory/Conference; 5760 Clinical Experience—Health Care Center/Hospital/Office



Departments

CHAIRMAN AND PROFESSOR	Vincent T. Cipolla, D.O.
PROFESSOR	Robert W. England, A.B., M.Div., M.S. in Education, D.O., M.Sc. (Anat.), F.A.A.O., F.A.C.G.P.
PROFESSOR EMERITUS	Edwin H. Cressman, D.O., M.Sc. (Ost.)
VISITING PROFESSOR	James O. Brown, B.S., M.S., Ph.D., F.I.C.S.
CLINICAL PROFESSOR EMERITUS	Lemar F. Eisenhut, D.O.
ASSOCIATE PROFESSORS	Robert P. Fink, B.A., Ph.D. Tage N. Kvist, B.S., M.S., Ph.D. Louis J. Misantone, B.A., M.Sc., Ph.D. Richard Notzold, B.S., M.S., Ph.D. David Roberts, B.S., M.Phil., Ph.D.
CLINICAL INSTRUCTORS	Leroy J. Kearney, Jr., B.S., D.O. Ronald L. Pope, B.S., D.O.



First Year

Gross Anatomy. Dr. Cipolla and Associates. Regional study of the human body with lectures, conferences and laboratory dissection, with emphasis on clinical anatomical problems.

Microanatomy. Dr. Cipolla and Staff. This division of the anatomical sciences presents to the student the cellular structure and ultrastructure of the body tissues. Dr. Richard Notzold is course coordinator.

Developmental Anatomy. Dr. Cipolla and Staff. The correlation of embryonic form and function. The course is integrated with Gross Anatomy with emphasis on organogenesis in order to give students an appreciation and understanding of anatomy. Dr. T. Kvist is course coordinator.

Human Genetics. Dr. Cipolla and Dr. Kvist. Presents basic concepts of genetics with emphasis on common disorders.



Third Year

Predoctoral Elective. Staff. Lectures and demonstrations. Anatomical subjects are discussed from the point of view of their application to practical problems met by the physician and surgeon. The lectures and demonstrations serve to emphasize the relationship of anatomy to the practice of osteopathic medicine and its specialties.

Postdoctoral Studies

Postdoctoral programs in gross anatomy and various aspects of the neuroanatomical sciences are available. Correspondence should be directed to the department chairman with a copy to the Dean.

CHAIRMAN AND PROFESSOR	Isadore Lieberman, D.O.
ASSOCIATE PROFESSOR	Thomas L. Moy, A.B., D.O.
ASSISTANT PROFESSOR	Roland Allard, B.A., D.O.
INSTRUCTOR	John Bellis, D.O. Nicholas Canuso, B.S., D.O.



The following faculty are members of our affiliated hospital staffs and actively participate in our program of clinical education:

CLINICAL ASSISTANT PROFESSORS

Peter F. Arino, B.S., D.O.
Frederick J. Bainhauer, Jr., B.S., D.O.
John W. Barnard, B.S., D.O.
Leonard R. Becker, D.O.
Salvatore J. Cerniglia, B.A., D.O.
Carl S. Cross, B.S., D.O.
Harry Glass, B.A., D.O.
Abraham A. Golden, D.O., F.A.O.C.A.
Marvin M. Keagy, D.O.
Richard F. Lamb, B.S., D.O., F.A.O.C.A.
Frank P. Tutterice, B.S., D.O.
George C. Wolf, D.O.

CLINICAL

Marvin J. Berman, B.S., D.O. Stuart Slavin, D.O.

Second Year

Third and Fourth Years

Clinical training programs and conferences are carried on throughout the year as students are assigned to this department.

CHAIRMAN AND PROFESSOR Raymond E. Knauff, B.S., M.S., Ph.D.

SSOCIATE ROFESSORS	Mervyn H. Kline, B.S., Ph.D. Yu Chen Lin, A.B., M.S., Ph.D. Eugene Mochan, B.S., Ph.D., D.O.
SSISTANT	JoAnne G. Pieringer, B.S., Ph.D.
ABORATORY ASSISTANT	Lincoln A. Noecker, B.S.



The department presents medical biochemistry with emphasis on the metabolic processes of the human body during health and disease.

First Year

Biochemistry. Dr. Knauff and Staff. Lectures, conferences, laboratories and clinical correlations. A systematic study of proteins, enzymes, bioenergetics, carbohydrates, lipids, amino acids, purines and pyrimidines, nucleic acids, cellular biochemistry, muscle biochemistry, neurobiochemistry, immunobiochemistry, andocrine biochemistry, aging biochemistry, cancer biochemistry, nutritional biochemistry and acid-base balance. The class is divided into sections for laboratory astruction and conferences.

Advanced Work

Biochemistry III. Seminars in Biochemistry. **Biochemistry IV.** Research in Biochemistry.

CHAIRMAN ND PROFESSOR Thomas M. Rowland Jr., B.S., LL.D. (hon.), D.Sc. (hon.)

SSISTANT

Richard M. Papa, B.S., D.O.



Second Year

CHAIRMAN AND PROFESSOR	Walter L. Willis, D.O., F.A.O.C.D.
PROFESSOR EMERITUS	Edwin H. Cressman, D.O., M.Sc. (Ost.)
CLINICAL PROFESSOR EMERITUS	Israel Feldman, D.O., F.A.O.C.D.
CLINICAL ASSOCIATE PROFESSOR	Herbert Fletman, D.O.
CLINICAL ASSISTANT PROFESSOR	Alex S. Macaione, D.O.
CLINICAL	George H. Geuting, A.B., B.S., D.O.



Second Year

Dermatology and Syphilology. Dr. Willis and Assistants. This course aims to prepare the general practitioner in the diagnosis and management of cutaneous diseases and syphilis. All of the common eruptive diseases are discussed and shown by means of color slides. Diseases are presented visually with all of their characteristics and variations. The student will learn the use of topical therapy, prescription writing and the special diagnostic and therapeutic procedures.......24 hours

Third and Fourth Years

Clinical teaching takes place in the outpatient service at both 48th Street and Cambria Street. These teaching clinics are held every Tuesday afternoon starting at 2 P.M. and continuing until all patients are seen. Regular conferences are also presented each week at the Hospital of PCOM. Cases that present interesting diagnostic and management problems are selected for these conferences.

Donald R. Hulmes, B.F.A.



This department services pre-and postdoctoral instructional departments with a ull range of the most modern audiovisual equipment and techniques. Included among hose services provided are videotaping of surgical procedures, laboratory experinents, demonstrations and lectures; slide preparation, publication design and nedical and graphic illustration. The department also houses an extensive photographic laboratory and television studio.

DIRECTOR AND NSTRUCTOR Lolly McGreevy, B.S.



The electron microscopy department, located on the ground floor of Evans Hall, iffers the most modern facilities for teaching and research. The department houses we electron microscopes—a scanning microscope, which offers a seemingly hree-dimensional image of specimen surface structures, and a transmission microcope, which gives a cross-sectional view of the internal structures of cells.

The area also includes photographic facilities, a preparation room and laboratory pace. Clinical and basic science research activities, as well as diagnostic studies of patients, are conducted.

HAIRMAN ND SSOCIATE John W. Becher, Jr., A.B., D.O.

SSOCIATE ROFESSOR

ISSISTANT Thomas Devlin, A.B., D.O.
PROFESSORS Edward Jon Sarama, A.B., D.O.

NSTRUCTORS

Arthur Bogert, D.O. Stewart A. Friedman, B.S., D.O. Suzanne Kelley, A.B., D.O.

Robert McAndrew, A.B., D.O. Richard M. Papa, B.S., D.O. Steven J. Parrillo, A.B., D.O.

he following faculty are members of our affiliated hospital taffs and actively participate in our program of clinical educaon:



CLINICAL
ASSISTANT
PROFESSORS

Joseph W. Stella, A.B., D.O. Marc F. Tafflin, D.O.

CLINICAL INSTRUCTORS

William Daiber, Jr., A.B., D.O.
Michael G. Dunn, Jr., B.S., D.O.
Charles P. Friedrich, A.B., D.O.
Eric J. Krieg, B.A., D.O.
William Lloyd, B.S., D.O.
Anthony V. Mosca, B.S., M.A., D.O.
Andrew J. Panko, B.S., D.O.
John C. Prestosh, D.O.
Mark S. Rosenberg, D.O.
Richard L. Siren, B.S., D.O.
Robert L. Stremmel, D.O.

First Year

Second Year

Third Year

Fourth Year

One month is spent in the emergency department of the Hospital of Philadelphia College of Osteopathic Medicine or one of its affiliated teaching hospitals. During this time, the student is exposed to diagnosis and treatment of emergency patients under direct supervision of attending staff. Also included are demonstration and practice of technical skills, as well as formal and informal clinical discussion.................. 240 hours.

1	HAIRMAN
á	ND
į	ROFESSOR

J. Vincent Huffnagle, A.B., D.O.

CE HAIRMAN ND SSISTANT John D. Angeloni, A.B., D.O.

ROFESSOR SSISTANT ROFESSORS

Richard Donnard, D.O. Stephen Fedec, B.S., D.O.

LINICAL SSISTANT ROFESSORS Philip J. Bell, B.S., D.O. R. Michael Gallagher, A.B., D.O. Ronald Goldberg, A.B., D.O.

John J. Flaherty, A.B., D.O.

Nicholas J. Grego, Jr., B.S., M.S., Ph.D., D.O.
Eugene Mochan, B.S., Ph.D., D.O.
David Skole, D.O.
Kenneth J. Veit. D.O.

ISTRUCTORS

Carlo J. DiMarco, B.A., D.O. Michael Rainey, D.O. George G. Vermiere, D.O.

LINICAL ISTRUCTOR

Robert M. Keaney, B.A., D.O.

ne following faculty are members of our affiliated hospital affs and actively participate in our program of clinical educaon:

LINICAL SSISTANT ROFESSORS Angelo E. Amadio, B.S., D.O. John C. Bradford, Jr., A.B., D.O. John E. Brooks, D.O Anthony Cincotta, D.O.

Charles A. Depfer, D.O. Joseph M. DiMino, B.S., D.O. Ronald D'Orazio, D.O. Norman J. Dubiel, D.O.

Lewis W. Hirsch, A.B., D.O. Robert A. Leopold, B.S., D.O. William L. Martz, B.S., D.O. Constantine Michell, D.O.

Theodore W. Michell, B.S., D.O. Philip Pearlstein, D.O. Thomas A. Quinn, B.S., D.O.

Robert G. Rothberg, B.A., D.O. Arthur C. Schenck, D.O. Harold Schreiber, D.O. Stanford A. Shor, B.S., D.O.

Arnold Sokol, B.A., D.O.

GENERAL PRACTICE James R. Steele, B.A., D.O. Jay A. Style, B.S., D.O. Harold F. White, D.O.: F.A.C.G.P.

CLINICAL

Robert B. Allison, B.S., D.O. Joseph A. Battaglia, B.S., D.O. Marvin Bookbinder, A.B., D.O. Michael H. Borek, B.S., D.O. Paul C. Cipriano, B.S., D.O. Michael S. Cone, D.O. Ronald J. Fllis, D.O. Burton H. Ginsberg, B.A., D.O. David Ginsberg, B.A., D.O. Ronald M. Goodman, D.O. Charles R. Grubb, D.O. Donald V. Hampton, D.O. Carl A. Hoffman, Jr., B.A., D.O. George R. Homa, D.O. Leonard V. Limongelli, B.S., D.O. Jeffry A. Lindenbaum, B.A., D.O. William H. Miller, B.S., D.O. David Phillips, B.S., D.O. Mark K. Radbill, D.O. Vincent Reina, D.O. Stacev A. Robertson, D.O. Steven M. Rosenberg, D.O. Lawrence W. Schmitzer, D.O. Joseph Shatz, D.O. David M. Spratt, B.A., D.O. Leo J. Swantek, B.S., D.O. Sebastian A. Vitanza, D.O. James I. Weinberg, A.B., D.O. John J. Zaro, B.S., M.Sc., Ph.D., D.O. Nelson E. Zeits, B.S., D.O.

The objective of the department of general practice of Philadelphia College of Osteopathic Medicine is to teach, encourage and promote excellence in the general practice of osteopathic medicine. The curriculum is formulated to help develop fundamental skills in the art of general practice. The osteopathic approach to fundamental concepts in the field of general practice is integrated into the teaching program.

First Year

Second Year

General Practice. Dr. Huffnagle and Staff. The purpose of this course is to give an overview of the field of general practice, including opportunities, responsibilities and

requirements, and to broaden the insight of the student concerning career opportunities in the field of general practice. Such topics as residency in general practice, certification in general practice, malpractice insurance responsibilities and medical-legal aspects of general practice are discussed throughout the term......16

Third and Fourth Years

Practical supervised clinical education is provided via rotations, including preceptorships in offices of general practitioners, health care centers of the college and general practice hospital service. Conferences and lecture programs are an integral part of the program. Rural and urban experiences are available for all students. Students assume increasing responsibility, so they can develop into qualified general practitioners.

In the third year, 480 hours are devoted to general practice rotations, and in the fourth year, 720 hours.

PROFESSOR Sherwood R. Mercer, A.B., A.M., **EMERITUS** LL.D. (hon.) PLANNING Jere M. Boyer, B.S., M.A., Ph.D. COMMITTEE Associate Professor of Microbiology and Public Health Vincent T. Cipolla, D.O. Professor of Anatomy and Chairman Fairman L. Denlinger, B.S., D.O., F.A.C.O.O.G. Professor of Obstetrics and Gynecology. and Chairman William H. Dickerson, B.S., D.O., F.A.C.O.I. Professor of Internal Medicine and Chairman Lillian Hynes-Longendorfer, D.O. Assistant Professor of Pathology and Laboratory Medicine Roy N. Pasker, D.O. Associate Professor of Neurology and Psychiatry

HISTORY OF MEDICINE AND OSTEOPATHY

First Year

Ethics and Humanities in Medicine—Elective. Dr. Mercer, Faculty Members and Visiting Scholars. Seminars covering various topics in ethics and the humanities with their particular applications to the practice of osteopathic medicine and their implications for physicians and patients. Open to students of all classes (1 through 4) interns, residents and faculty.

CHAIRMAN AND PROFESSOR	William H. Dickerson, B.S., D.O., F.A.C.O.I.
VICE CHAIRMAN AND CLINICAL PROFESSOR	Albert F. D'Alonzo, A.B., D.O., M.Sc. (Med.), F.A.C.O.I.
DIVISIONAL CHAIRMAN AND CLINICAL PROFESSOR	Ralph J. Tomei, D.O. Endocrinology and Metabolism
CLINICAL PROFESSOR	Albert J. Fornace, D.O., F.A.C.O.I.
DIVISIONAL CHAIRMEN AND ASSOCIATE PROFESSORS	William J. Gilhool, B.S., D.O. Gastroenterology John Simelaro, B.S., D.O., M.Sc. (Int. Med.) Pulmonary Medicine
ASSOCIATE PROFESSOR EMERITUS	Henry B. Herbst, D.O.
DIVISIONAL CHAIRMEN AND CLINICAL ASSOCIATE PROFESSORS	Edmund T. Carroll, D.O. Allergy and Immunology James F. Conroy, B.S., D.O., M.Sc. (Med.) Hematology and Oncology Alfred A. DiPiero, D.O. Rheumatology William A. Nickey, B.S., D.O. Nephrology
CLINICAL ASSOCIATE PROFESSORS	Joseph V. Koehler, A.B., D.O., F.A.C.O.I. Marvin Rosner, A.B., D.O., F.A.C.O.I.
DIVISIONAL	David Bevan, D.O.



INTERNAL MEDICINE

Rheumatology Michael Kirschbaum, B.S., D.O.

Cardiology

Stephen Burt, B.S., D.O.

CHAIRMEN AND

ASSISTANT PROFESSORS

ASSISTANT PROFESSOR

CLINICAL ASSISTANT PROFESSORS

Martin D. Bascove, B.A., D.O. Joel J. Berman, D.O.

Richard L. Gordon, D.O.

A. Alvin Greber, D.O.

Stephen S. Levin, B.A., D.O.

James E. McHugh, D.O. Philip J. Pantle, B.S., D.O., M.Sc.

Morris I. Rossman, D.O.

Donald V. Sesso, D.O. Frederick G. Uberti, D.O.

Eugene J. Wysznski, B.S., D.O.

CLINICAL

Stephen Burnstein, D.O.

Vincent Carr, D.O. Walter M. Comiskey, D.O.

John M. Ferretti, II, D.O., M.Sc. (Int. Med.)

Pat A. Lannutti, B.S., D.O. Michael J. Slavin, B.A., D.O.

FELLOWS

David V. Condoluci, B.S., D.O.,

M.Sc., (Int. Med.)

Carl DiJoseph, A.B., M.S., Ph.D., D.O. Michael A. Venditto, B.A., D.O.

The following faculty are members of our affiliated hospital staffs and actively participate in our program of clinical education:

CLINICAL ASSOCIATE PROFESSOR

Alexander Price, B.A., D.O., F.A.C.O.I.

CLINICAL ASSISTANT PROFESSORS

Berel B. Arrow, D.O.

Allan L. Fischer, D.O. Armand M. Formica, D.O.

Raymond Fuller, D.O.

Allan E. Koff, B.S., D.O.

W. Rowland Leedy, D.O.

Mario Maiese, D.O. Dominic Pisano, D.O., M.Sc.

Leonard E. Rosenfeld, D.O.

Walter W. Schwartz, M.Sc., D.O., F.A.C.O.I.

Lewis M. Yunginger, D.O., F.A.C.O.I.

CLINICAL INSTRUCTORS

Jonathan Bortz, D.O.

Thomas Brislin, D.O. Daniel DiAngelus, D.O.

Andrew T. Fanelli, B.S., D.O.

William S. Frank, D.O.

Nathan Freed, B.A., D.O.

Vincent D. Glielmi, B.S., D.O. Isaac Grabelsky, D.O. Mark A. Illfelder B.S. D.O. Richard H. Jeffries, B.S., D.O. Robert V. Kiel, D.O. Jeffrey N. Levine, D.O. Chester Madzelan, D.O. Jeffrey J. Maron, B.A., D.O. Howard H. Nesbitt, D.O. Anthony F. Niescier, D.O. John H. Nipple, B.S., D.O. Peter A. Plumeri, B.A., D.O. Robert Promisloff, B.A., D.O. Harvey A. Salem. D.O. Philip Silverman, D.O. Walter H. Snyder, Jr., D.O. Harvey T. Starr, B.A., D.O. Michael Tanitsky, D.O. Michael Weiner, A. B., D.O.

First Year

Second Year

Allergy and Immunology. Dr. Carroll. This course is a complete introduction to clinical allergy and immunology, including atopic disease, humeral and cell-mediated immunity and deficiency states associated with both components of the immune system. Current concepts regarding immunotherapy both in infectious and neoplastic diseases are also included.

Pulmonary Diseases. Dr. Simelaro and Staff. Using didactic lectures, oral quizzes and clinical presentations, this course introduces the student to the etiology, diagnosis and treatment of the diseases of the respiratory system.

Cardiology. Dr. Kirschbaum, Staff and Visiting Lecturers. This course is intended to introduce the student to clinical cardiology at its most fundamental level with an explanation of the mechanisms of the cardiac cycle, the heart sounds, bedside clinical diagnosis of findings suggestive of underlying heart disease, the arrhythmias both atrial and ventricular, and the significant categories of commonly encountered organic heart disease, acquired, congenital, hereditary and infectious. The course will also include appropriate implications of peripheral vascular disease.

Endocrinology and Metabolism. Dr. Tomei and Staff. Lectures and clinical demonstrations of diseases of the endocrine glands, including metabolic disorders, vitamin and nutritional disturbances.

Gastroenterology. Dr. Gilhool and Staff. Dr. Gilhool and guest lecturers present a compendium of diseases of the gastrointestinal system, including the common and uncommon gastrointestinal conditions, biliary metabolism, and infections and infestations of the liver and gut. Endoscopic implications and slides are incorporated to demonstrate pathology as viewed by Dr. Gilhool and his associates through gastrointestinal endoscopy and colonoscopy. Photomicrographs of various categories of the liver diseases are also presented.

Hematology-Medical Oncology. Dr. Conroy and Staff. The course in hematology is designed to facilitate clinical diagnosis. Interpretation of peripheral blood smears is emphasized. Rational and orderly diagnostic approach will be stressed. Lectures on therapy will include appreciation of the problems encountered by patients with hematologic disorders.

The course in medical oncology is presented to acquaint the student with the role of the chemotherapist in the management of patients with metastatic malignancies. The mechanism of drug actions and their toxicities will be presented. Multi-modality

approaches and experimental drug programs will be overviewed.

Infectious Diseases. The course in infectious diseases is a clinical approach to infectious diseases with emphasis on bacterial infections; some of the more common viral infections are considered. The clinical application of antimicrobial agents will be reviewed, based upon their mechanisms of action. The more common associated transmitted diseases are included.

Nephrology. Drs. Nickey and Levin. Lectures by Drs. Nickey, Levin and Staff detailing medical diseases of the kidney. Included are the nephritides, vascular, hereditary and degenerative renal diseases, and acute and chronic renal failure with introductions to dialysis and transplantation. In-depth discussions of electrolyte and

acid base metabolism as well as hypertension are also provided.

Third and Fourth Years

The third year consists of clinical rotation through the various inpatient medical services of Philadelphia College of Osteopathic Medicine and its associated teaching hospitals. During this time the student is exposed to the realities of practice in the outpatient health care centers under the supervision of responsible faculty physicians.

The student is responsible for history taking and physical examination, including a detailed examination of the musculoskeletal system. After conferring with the supervising physician, the student proceeds with therapy, which also includes patient and family education. If the need for specialty consultation arises, the student accompanies the patient to the specialty consultation clinic.

In the fourth year the student plays an integral part in the patient's care, participating in the diagnostic workup as well as treatment, and remaining under the supervision of the intern, resident and attending staff physician. By the completion of the fourth year, the student is exposed to almost all categories of acute and chronic illnesses and embraces the application of the osteopathic concept in both etiology and therapeutics of disease processes. Throughout the whole four years of osteopathic education the pre-eminence of preventive medicine is constantly reinforced.

DIRECTOR AND ASSOCIATE PROFESSOR Shanker H. Vyas, B.A., B. Ed., M.A., M.S., Ph.D.



LIBRARIAN AND ASSOCIATE PROFESSOR	Hansa S. Vyas, B.A., B. Ed., M.A., M.S.
ASSISTANT LIBRARIAN AND INSTRUCTOR	Kathryn M. Picardo, B.A., M.S.

Students receive personal instruction in the availability and use of library materials.

CLINICAL Bernard J. Plone, A.B., D.O. PROFESSOR

ASSISTANT

PROFESSOR



Second Year

During the second term, lectures in law and medical jurisprudence are presented to provide students with a basic understanding of the legal obligations and responsibilities of physicians, both professionally and personally. The lectures are presented by members of the law firm of Blank, Rome, Comisky and McCauley.

Fourth Year

During the fourth year, a course in Medical Jurisprudence gives the student a working knowledge of Forensic Medicine and Pathology. The basic existing laws pertaining to the physician in practice are stressed.

CHAIRMAN AND PROFESSOR	Vichazelhu Iralu, B.S., M.P.H., Ph.D.	200000
VICE CHAIRMAN AND PROFESSOR	Emma G. Allen, B.S., M.S., Ph.D.	MICROBIOLOGY AND PUBLIC HEALTH
ASSOCIATE PROFESSORS	Jere M. Boyer, B.S., M.A., Ph.D. Lawrence E. D'Antonio, A.B., D.O. Director of Research	

Charles M. Bendas, B.A., M.S., Ph.D.

INSTRUCTOR

Bruno J. Bromke, B.A., PH.D.

CONSULTANT

James E. Prier, M.S., D.V.M., Ph.D.

Director of Comparative Medicine Laboratory

First Year

Medical Microbiology. The goal of this course of study is to provide the medical student with a basic understanding of the biology of infection associated with members of the major groups of microbes.

The one semester of lectures covers the entire spectrum of infectious agents, their classification, morphology, physiochemical and biological properties which are important in understanding their stability, mode of transmission and site of infection within the host. Basic mechanisms of disease production in each instance are also discussed along with the host response and appropriate diagnostic procedures.

A laboratory course is given simultaneously with the lecture course. This is designed to familiarize the student with techniques essential for proper understanding and carrying out of aseptic technique, handling microorganisms and observing their basic properties, collecting and handling specimens for diagnosis, processing laboratory specimens, and interpreting laboratory results.

The course naturally falls into the following divisions:

Major Groups of Microbes. An introduction to the groups of organisms: their classification, morphology and physiochemical properties, biological properties and genetics, including some discussion of antibiotic resistance.

Bacteriology and Mycology. Emphasis is given to properties of organisms as related to pathogenesis of disease, diagnostic tests and their control.

Parasitology. A study of the protozoa, helminths and arthropods which are associated with human disease: their life cycles, pathogenesis, epidemiology and control measures.

Virology. The general properties of viruses and their replication for understanding of infection, disease and treatment are presented. The epidemiology, laboratory diagnosis and prevention of infection are presented for the various viruses associated with human infection and disease.

Immunology. A presentation of the nature of antigens, immunoglobulins and complement, along with a detailed description of the various cells, tissues and organs of the immune system is given. Basic aspects of immune responses are covered and, in conjunction with a study of various in vitro and in vivo immunological reactions, are related to: responses to foreign substances; resistance to microbial agents; immunopathological processes; immune tolerance; tissue transplantation; blood transfusions; and immune deficiency states.

Special consideration is given to a holistic approach to host responses in relation to the immune system and its role in homeostasis. Total hours Second Year Public Health. A series of lectures on the principles of Public Health will be offered to the second-year students. Existing local, state, federal and international public health facilities and problems will be discussed. Methodology for the evaluation of community health needs will be considered. Epidemiological studies on some important infectious agents and some ecological factors currently emphasized will be used as models to illustrate public health approaches to such problems. Total hours Research (Medical Microbiology and Immunology)by arrangement CHAIRMAN George H. Guest, D.O. F.A.C.N. AND Director of Neurosensory Diagnostic PROFESSOR Center VICE Cecil Harris, D.O., M.Sc. (Psych.) F.A.C.N., F.I.A.L.S. CHAIRMAN AND CLINICAL **PROFESSOR** CLINICAL Morton S. Herskowitz, B.S., D.O. PROFESSOR **ASSOCIATE** Roy N. Pasker, D.O. **PROFESSOR** CLINICAL Martin B. Goldstein, B.S., D.O. **ASSOCIATE** I. Jay Oberman, D.O. **PROFESSORS** Sheldon Wagman, B.A., D.O. H. Michael Zal. B.A., D.O. **ASSISTANT** Martha Benoff, B.A., M.S., Ph.D. **PROFESSORS** Dennis Graham, D.O. CLINICAL Ned Baron, B.S., D.O. **ASSISTANT** Wilmer H. Bath, D.O. **PROFESSORS** Eugene Della Badia, B.A., D.O. Bernard Fisher, D.O. Albert Honig, A.B., D.O. Anthony S. Jannelli, A.B., D.O.



CLINICAL INSTRUCTOR Everett W. Pettit, D.O.

Saverio Laudadio, D.O. Floyce McCauley, B.S., D.O. RESEARCH ASSOCIATE

Leonard S. Rubin, Ph.D.

The following faculty are members of our affiliated hospital staff and actively participate in our program of clinical education:

CLINICAL ASSISTANT PROFESSOR Francis X. Schrade, D.O.

CLINICAL

Larry S. Janoff, B.A., D.O. Stephen Sacks, D.O.

First Year

Psychiatry I. An orientation course. The place of psychiatry in the healing arts, and the place of psychiatry in the school of osteopathic medicine in particular is discussed. The scope of the specialty, the importance of it to the general practitioner and opportunities for specialization are covered.

Psychiatry II. Psychodynamics of personality structure, from infancy to senescence. Various theories of personality study are covered. The dynamics of normal adjustment receive attention.

Psychiatry III. Lectures and demonstrations covering the dynamics of interviewing and the different techniques of psychiatric examination are presented.

Psychiatry IV. Lectures and demonstrations covering the field of mental disorders. The course is designed to stress the problems as met by the general practitioner and presents the entire descriptive field of all psychiatric and related disorders, including headaches, intoxications, organic brain syndromes, etc. The course also includes the entire range of therapy as applied to psychiatric illness, including psychotherapies, physical therapies, and various ancillary techniques.

Second Year

Psychiatry V. This is a continuation of the first-year course. The emphasis is on the clinical and psychodynamic aspects of behavior.

Neurology II. Dr. Guest and Associates. A review of the anatomy and physiology of the nervous system as it applies to the problems of clinical neurology. The procedure of eliciting the neurologic history and technique of neurologic examination is covered in detail. A systematic course of instruction covering diseases of the brain, spinal cord, peripheral nerves and other related disorders. The specialty of Neurology is approached from the modern therapeutic point of view, including recent concepts

of neurochemistry and neuroelectronics, and in therapy is intimately coordinated with other specialties such as Internal Medicine, Neurosurgery, and Physical Medicine and Rehabilitation. The course is presented in the first and second terms 32 hours

Third and Fourth Years

Ample clinical patients are available, enabling the student to observe and in many cases to participate in the therapy and examination of psychiatric problems, both in the hospitals and clinics. In certain selected cases students, not only have an opportunity to examine patients with psychiatric problems, but also to administer psychotherapy under close supervision of the psychiatric staff. Conferences are held regularly on certain special clinic cases by the psychiatric staff with students in attendance

State Health Service. Under the supervision of members of the department, the fourth-year students will have the privilege of serving student clerkships at three state hospitals, two for adults and one for children, where they will have the opportunity to observe all types of psychiatric illnesses and their management. There will be ample opportunity to observe the various institutional treatments such as electroshock therapy, intensive psycho-pharmaceutical techniques, occupational therapy and the psychotherapy of the psychotic. Students will also be able to observe patients with brain damage due to arteriosclerosis, senility, etc. The social service and occupational therapy departments will also be available, enabling the student to observe in a direct manner the value of the various ancillary services in psychiatry.

These services are under the direction of members of the psychiatric staff of Philadelphia College of Osteopathic Medicine, and the practical work at the state hospitals will be closely integrated with the college work of the previous three years.

Neurologic Conferences. Daily rounds are made by the chairman of the department, and junior and senior students in attendance at the Hospital of PCOM have the privilege of attending these sessions. All interesting cases will be presented in conference sessions attended by members of the department of neurology and psychiatry, and representatives from the departments of radiology, neurosurgery, neuro-otology, internal medicine and other departments concerned with a specific case presentation.

CHAIRMAN AND PROFESSOR	Fairman L. Denlinger, B.S., D.O., F.A.C.O.O.G.	
PROFESSOR	Emanuel Fliegelman, B.S., D.O., F.A.C.O.O.G.	OBSTETRICS AND GYNECOLOGY
PROFESSOR EMERITUS	Frank E. Gruber, D.O., F.A.C.O.O.G.	
CLINICAL PROFESSOR	Edward Slotnick, A.B., D.O	
ASSOCIATE	Edwin Abbott, B.A., D.O.	

PROFESSOR

CLINICAL	
ASSOCIATE PROFESSORS	Saul Jeck, B.A., D.O. Lazarus M. Kirifides, B.S., D.O. Simon M. Lubin, D.O., F.A.C.O.O.G.
ASSISTANT PROFESSOR	Gerard W. Szczygiel, D.O., M.Sc. (Ob./Gyn.)
CLINICAL ASSISTANT PROFESSORS	Anita H. Atkins, A.B., D.O., M.Sc. (Ob./Gyn. Sur.), F.A.C.O.O.G. Peter A. Molle, D.O. Joseph H. Ridgik, A.B., D.O. Frederick Steinberg, D.O.
CLINICAL INSTRUCTORS	Harvey Bryant, B.S., D.O. Warren Taylor, D.O. Herbert G. Wendelken, Jr., B.S., D.O.
FELLOW	Michael L. Mansi, B.S., D.O.
	Ity are members of our affiliated hospital participate in our program of clinical educa-
CLINICAL ASSOCIATE PROFESSOR	
CLINICAL ASSOCIATE	Frank M. Weaver, B.S., D.O., F.A.C.O.G. John E. Brooks, D.O. Harry B. Davis, A.B., M.Sc., D.O. Gary D. A. Lewis, B.S., D.O. Gene Miller, B.S., D.O.

First Year

Human Sexuality. This course is designed to acquaint the medical student, who will soon become an osteopathic physician, with changing attitudes to this timely subject. Facts will be supported. Fallacies will be dispelled. How to take a sexual history and be comfortable with the sex topics and sexual dysfunctions will be

Second and Third Years

Third and Fourth Years

Outpatient Service. Students are assigned to obstetrical and gynecological patients in the outpatient clinic. Practical management on an ambulatory basis under the supervision of a member of the service is offered. A general practice (family service) approach is stressed.

Hospital Service. Students are assigned to general hospital and obstetrical-gynecological service. On obstetrical service, the student is trained in history and physical examination of the obstetrical patient, given drills in the use of obstetrical forceps and vacuum extractors, instructed in basic gynecologic pathologies and pelvic examination of training "Gynny" models; offered daily conferences, and trained in the technical arts in preparation for the internship year. Facilities are provided for the student to be in the unit at all times.

On general hospital service, the techniques of gynecological history and examination are stressed. The student is expected to follow the patient through all phases of hospitalization.

A handbook is supplied containing information about assignments.

CHAIRMAN Donald H. Thome, D.O.

PROFESSOR

PROFESSOR

H. Malon Gehman, D.O., M.Sc. (Ost.), F.O.C.O.

ASSISTANT PROFESSOR

CLINICAL Seymour Kessler, D.O.

Symptomic Seymour Kessler, D.O.

PROFESSOR



The following faculty are members of our affiliated hospital staffs and actively participate in our program of clinical education:

CLINICAL ASSISTANT PROFESSORS

CHAIRMAN

Arthur B. Calabrese, B.S., M.S., Ph.D., D.O.
Michael L. DiMonaco, A.B., D.O.
Anthony D. Sala, D.O.
Jacques L. Surer, B.S., D.O.

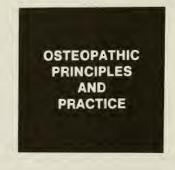
Second Year

Third and Fourth Years

Ophthalmology. Dr. Thome and Associates. Students assist in the examination of the eyes; they become familiar with the use of the opthalmoscope, the retinoscope and the study of the visual fields. They study the eyegrounds in relation to metabolic and other diseases, and observe surgical procedures of the eye and its adnexa.

AND PROFESSOR	F.A.A.O.
PROFESSORS	Robert W. England, A.B., M.Div., M.S. in Education, D.O., M.Sc. (Anat.), F.A.A.O., F.A.C.G.P. David Heilig, A.B., D.O., M.Sc. (Ost.), F.A.A.O.
ASSOCIATE PROFESSOR	Katherine M. England, A.B., D.O., F.A.C.G.P.
CLINICAL ASSOCIATE PROFESSORS	Marvin Blumberg, A.B., D.O. Jerome Sulman, A.B., D.O.
ASSISTANT PROFESSOR	Alexander S. Nicholas, A.B., D.O.

Nicholas S. Nicholas, B.S., D.O.,



INICAL SSISTANT ROFESSORS

Ida Schmidt, D.O., F.A.C.G.P., F.A.A.O. William Scott, D.O., F.A.C.O.I Galen D. Young, A.B., D.O. Abraham Zellis, A.B., D.O.

INICAL STRUCTOR

Anthony Leone, A.B., D.O.

All courses for the first two years are required except those designated elective."

First Year

Second Year

Principles and Practice IV (Athletic Injuries). Dr. Nicholas and Staff. Lectures and practice sessions are correlated and directed toward the understanding and nanagement of various athletic injuries. Basic principles are taught and practiced. Diagnosis and treatment of athletic injuries are presented with special attention to

Principles and Practice V (Headache; The Osteopathic Record; Osteopathic Management; Special Techniques). Lectures and demonstrations will be presented as part of the study of headache and facial pain, including diagnostic implications, and consideration in technique selection as well as technique. Proper osteopathic recording and terminology will be reviewed. A complete examination and narration of same will be required. Lectures, demonstrations of technique and practice sessions will be devoted to considerations of techniques related to the specialties and the hospitalized patient as well as general practice................... 56 hours

Third Year

Principles and Practice VIII (Advanced Special Techniques)— Dr. Nicholas and Associates. Advanced special techniques will be demonstrated and practiced in the practice session area. Patient demonstrations will be used whenever possible. Permission of the department chairman is required for admission to this course ..24 hours

Principles and Practice IX (Cranial Principles and Techniques) —**Elective.**Dr. England. Basic fundamentals of the cranial concept will be studied, and observations, palpation, diagnosis and technique will be reviewed and practiced.

Principles and Practice X (Third year Seminar)—**Elective.** Clinical training is developed by supervised teaching sessions in the clinical setting including sessions in development of osteopathic diagnosis and treatment.

Clinical Training. Experience and training is enhanced and continued by rotation through the Osteopathic Therapeutics Special Clinic, preceptorships, special services, bedside observation and treatment, practice sessions and conferences regularly scheduled in the clinical clerkship program.

Fourth Year

Principles and Practice XI (Senior Seminar)—Elective. The seminar is designed for the education of those most interested in osteopathic principles and practice. It will furnish additional opportunities for growth and development of abilities. Student participation and activity will be emphasized. The seminar may be offered in each of the three terms.

Clinical Experience. The outpatient department and hospitals, the osteopathic history, physical diagnosis and treatment of patients are emphasized in the work of the fourth-year students. Opportunities for continued development of ability in general, special and bedside techniques and ability in diagnosis are afforded in the following general categories:

1. Special Clinic in Osteopathic Therapeutics: students may attend this clinic under the direction of a skilled osteopathic physician in which individual

attention is directed to a specific problem or problems in an individual patient.

- 2 Hospitals.
- 3 Outpatient Clinics.

Clinical experience may be gained under adequate supervision and a meaninaful arning experience is provided via patients. Both the art and science of practice are lended as training is given in vital patient care.

Visiting Clinician Program. This department participates in the Visiting Clinician rogram of the American Academy of Osteopathy. Three times a year a full week of pecial education by a physician is accorded the students through this cooperative ndeavor. The presentations are geared to the various student levels.

Postdoctoral Studies

Postdoctoral courses, subjects and hours may be arranged on demand. orrespondence should be directed to the Director of Continuing Medical Education. ith a copy to the department chairman.

Planned courses and programs will appear from time to time in the formal nnouncements of the many programs offered by the division of continuing medical

ducation.

HAIRMAN ND ROFESSOR Theodore P. Mauer, A.B., D.O., M.Sc. (Oto.)

Otorhinolaryngology, Bronchoesophagology and Oro-Facial Plastic Surgery

HAIRMAN LINICAL ROFESSOR

ICE

Lynn F. Sumerson, B.S., D.O., M.Sc. (Oto.) Otorhinolaryngology, Bronchoesophagology and Oro-Facial

Plastic Surgery

ROFESSORS MERITI

Charles W. Snyder, Jr., D.O., M.Sc. Harry I. Stein, A.B., D.O., M.Sc. (Oto.),

F.O.C.O.

LINICAL SSOCIATE ROFESSORS Alvin Dubin, D.O., F.O.C.O.O. Otorhinolaryngology, Bronchoesophagology and Oro-Facial Plastic Surgery Ronald A. Kirschner, A.B., D.O., M.Sc. Otorhinolaryngology and

Bronchoesophagology

SSISTANT ROFESSORS Thomas L. Davis, III, B.A., M.Sc., D.O. Otorhinolaryngology, Bronchoesophagology and Oro-Facial Plastic Surgery Ronald Reinhard, B.S., D.O.

OTORHINOLARYNGOLOGY BRONCOESOPHAGOLOGY AND ORO-FACIAL PLASTIC SURGERY

Otorhinolaryngology, Bronchoesophagology and Oro-Facial Plastic Surgery CLINICAL Stephen S. Chankin, D.O. ASSISTANT Otorhinolaryngology PROFESSORS Flliot Dardik, B.A., D.D.S. Oral Surgery Bernard D. Kleinman, D.M.D. Oral Surgery Martin S. Neifield, D.O. Otorhinolaryngology Stephen D. Smith, A.B., D.M.D. Temporomandibular Dysfunction **LECTURER** Kay Catherwood, B.A., M.A. Audiology INSTRUCTOR Patricia M. McGill, B.S., M.A. Speech Pathology CLINICAL Bernard C. McDonnell, A.B., D.O., M.Sc., (Oto.) INSTRUCTOR Otorhinolaryngology The following faculty are members of our affiliated hospital

The following faculty are members of our affiliated hospital staffs and actively participate in our program of clinical education:

CLINICAL ASSISTANT PROFESSORS John C. Bradford, Sr., D.O. Clifford N. Steinig, B.S., D.O.

The formal course in otorhinolaryngology is given during the second year. The instruction is designed to meet the needs of a well trained primary care physician. Emphasis is placed on the clinical approach of diagnostic and treatment patterns of common disorders of the head and neck area, as well as emergency and trauma situations involving the soft tissue and bony structures of the face. The osteopathic considerations in etiology, diagnosis and treatment of head and neck disorders are discussed.

First Year

Members of the department participate in the clinical correlation program in cooperation with the anatomy department.

Neurosensory Sciences. Members of the department participate in the clinical correlations programs in cooperation with the anatomy department 5 hours

Second Year

Otolarygology, Bronchoesophagology and Oro-Facial Plastic Surgery. The purpose of the second-year course is to present from a practical clinical standpoint the common disorders of the head and neck seen by the primary care physician. The fact that these disoprders account for 20 to 30 percent of all patients seen by the primary care physician is stressed. Covered are otology, rhinology, laryngology, bronchoesophagolgy, head and neck oncology, aesthetic facial surgery, dental and temporomandibular joint diseases, and emergency and trauma situations... 32 hours

Third and Fourth Years

During the third year, all students are given a two-week practical rotation with various members of the E.N.T. department in office and hospital settings.

Clinical. Practical examination and treatment of common problems of health care center and hospital patients is performed by the student under the direction of department members. Observation and demonstration of specialty procedures at the health care centers and hospital provide an adequate foundation for practice. In the hospital students perform history and physical examinations, and observe and assist in surgical procedures. The health care centers, hospital and emergency room are used to develop in the graduating physician the knowledge required of every physician concerning diseases of the head and neck.

CLINICAL PROFESSOR AND CONSULTANT	William L. Silverman, A.B., D.O. M.Sc. (Path.), F.C.A.P., F.A.O.C.Pa.
CLINICAL ASSOCIATE PROFESSORS	Roderick C. Cannatella, D.O. Dale Steventon, B.S., D.O.
ASSISTANT PROFESSORS	Leonard Gladstone, D.O. Lillian Hynes-Longendorfer, D.O.
CLINICAL ASSISTANT PROFESSOR	Irvin Lock, D.O.
CLINICAL INSTRUCTOR	Justice James, D.O.

PATHOLOGY AND LABORATORY MEDICINE

The following faculty are members of our affiliated hospital staffs and actively participate in our program of clinical education:

CLINICAL ASSISTANT PROFESSORS Robert S. Bear, B.S., M.Sc. (Chem.), M.Sc. (Path.), D.O. Norton M. Levin, A.B., D.O. James I. Puckett B.S. D.O.

CLINICAL INSTRUCTORS

Justin Gershon, D.O. Richard Heller, B.S., D.O. Allan W. Levy, A.B., D.O.

Second Year

Pathology and Laboratory Medicine. This course is conducted throughout the second year and is designed to provide for the study and understanding of the biopathological processes upon which the concepts of disease states are based.

Initially, the presentation is devoted primarily to the study of the body's response to the aberrations of the normal state, and is customarily referred to as "General Pathology." This will include, but not be limited to, certain non-specific cellular reactions-inflammation, degenerative changes, metaplasia, dysplasia, neoplasia, etc. Emphasis is placed on correlating these responses with the clinical manifestations of the patient to provide a basic understanding and recognition of the diagnosis and treatment of disease states.

Third and Fourth Years

The department of pathology and laboratory medicine provides elective rotations in the hospital laboratory for third-and fourth-year students. These rotations offer the student the opportunity to acquaint himself/herself with the techniques of laboratory performance, and the rationale of ordering tests to determine a diagnosis, evaluation and interpretation of results, etc. Concurrently, the student has the opportunity to observe the clinical applications of laboratory medicine by reviewing patient charts, autopsy protocols, participating in scheduled C.P.A.'s, and such other exercises required to prepare him/her for eventual responsibility in treating patients. During the rotation, the student attends and participates in tumor conferences, seminars, discourses, etc., in the college and hospital.

CHAIRMAN AND PROFESSOR	Joseph A. Dieterle, B.A., D.O., F.A.A.P.
PROFESSOR EMERITUS	William S. Spaeth, D.O., M.Sc. (Ped.), F.A.C.O.P.
PROFESSOR	Samuel L. Caruso, A.B., D.O., M.Sc. (Ped.), F.A.C.O.P.
CLINICAL PROFESSOR EMERITUS	F. Munro Purse, D.O., M.Sc. (Ped.), F.A.C.O.P.
ASSOCIATE PROFESSOR	Robert Berger, B.A., D.O., F.A.C.O.P.
CLINICAL ASSOCIATE PROFESSORS	Harold H. Finkel, D.O., F.A.C.O.P. Sandra M. Gawchik, D.O., F.A.A.P.
ASSISTANT PROFESSORS	Mary J. Teter, A.B., D.O. Steven M. Snyder, B.A., D.O. M.Sc. (Ped.)
CLINICAL ASSISTANT PROFESSORS	Marvin Backal, B.S., D.O. Philip W. Eppley, II, D.O. Mischa F. Grossman, A.B., D.O., F.A.C.O.P.
LECTURER	Richard C. Simmers, Jr., A.B., D.O.
CLINICAL INSTRUCTOR	Ira Spitzer, D.O.
FELLOW	Harry Flanagan, B.S., D.O.
	ulty are members of our affiliated hospital participate in our program of clinical educ
CLINICAL ASSISTANT PROFESSORS	Herman F. Cohen, A.B., D.O. Gerald F. Green, A.B., D.O. John C. Lesniewski, B.S., M.S., D.O. James Powell, B.S., D.O., M.Sc. (Ped.) F.A.C.O.P.

Thomas Bride, D.O.

Charles E. Darowish, D.O. Mark Jacobson, B.S., D.O. Thomas Yakacki, D.O.

CLINICAL

INSTRUCTORS



The pediatric didactic and clinical teaching programs consist of lectures, ambulatory and inpatient pediatrics, and neonatal education. Pediatric patients are assigned to a third-year student and/or intern and resident whose evaluation include complete and proper history taking, physical examination, and growth and development analysis with osteopathic structural integration. Patient management is supervised and demonstrated by four whole-time attending pediatricians, two pediatric residents, and the pediatric intern. Interns and third-year students are assigned on a rotating basis to inpatient pediatrics, intensive care nursery and ambulatory clinic.

Third-year students are encouraged to attend intern and resident pediatric conferences which are held regularly as well as departmental conferences for their professional enrichment. The students are presented assignments both for reading and research with topics assigned by the department chairman and his pediatric associates. Visiting pediatricians and subspecialists are invited throughout the year to participate in pediatric conferences in the hospital.

Second Year

Dr. Dieterle and Staff. Lectures and audiovisual demonstrations. The normal development of the pediatric patient is emphasized. The total lecture schedule encompasses approximately 70-80 hours and includes didactic material such as the study of the fetus, high-risk pregnancies, premature and newborn high-risk problems. and difficulties affecting perinatal care of premature and full-term infants. Preventive pediatrics (hygiene, infant feeding and immunizations) is discussed at the ambulatory office practice level, as well as at the hospital critical care level. Gastrointestinal, surgical, hematologic, nose and throat, and cardiovascular problems are studied and presented by the pediatrician and/or subspecialist. Lectures and audiovisual demonstrations of the disease process with their influence on the fetus, newborn, and pediatric population are presented with diagnostic criteria and management. Fluid and electrolyte balance, emergency room care, medical aspects of trauma, fever and convulsions, the unconscious child, metabolic problems, and other pediatric problems are thoroughly covered. Burns, collagen diseases, enuresis, medical genito-urinary disease and central nervous system problems are discussed by the pediatricians and subspecialists. Special attention is given to developmental, neurological and behavioral pediatrics in this review by our pediatrician habilitation specialist. Our infectious disease pediatrician and neonatologist help to broaden the scope of both our teaching program and also our inpatient and outpatient care of our pediatric patients. Various pediatric surgical problems are also discussed to provide sufficient exposure to these entities. In addition, allergy, immunology and dermatologic pediatric problems are presented to give the student a comfortable

Third and Fourth Years

Health Care Centers. Dr. Dieterle and Staff. At PCOM, there are three health care centers to which the third-year students are assigned, and they relate to our pediatricians at HPCOM by referring the more difficult diagnostic cases; cases that require more expertise and/or hospitalization. At our new ambulatory facility at 4190 City Avenue, the pediatricians conduct a private outpatient practice and provide consultations to our attending staff and/or osteopathic practitioners who require a pediatric opinion. Combined management cases are also utilized such as ears, nose, and throat/pediatrics, surgery/pediatrics, etc. Interns and pediatric residents are

responsible for a large portion of medical care under the supervision of the attending pediatrician in the outpatient clinic. They are in a good position to examine patients, discuss and treat the patients with the physician in training, allowing them to use their knowledge and technical ability. Students, interns and pediatric residents perform early periodic screening, diagnosis and treatment (EPSDT) studies. The attending reviews the findings and analyses, and coordinates all parts of the care.

Hospital Instruction. All pediatric patients are admitted to the Hospital of the Philadelphia College of Osteopathic Medicine, where the third-year students, interns, and pediatric residents are assigned in small sections to the pediatric department. They are instructed by the attending pediatricians, the pediatric residents, and interns on service in areas of history and physical examinations, differential diagnosis and case management. Pediatric and neonatal procedures, perinatal care, and emergency neonatal methods are discussed and demonstrated by our neonatologist and staff. The infectious disease pediatrician will also have a similar role in the teaching of our third-year students, interns, residents and professonal staff. The osteopathic concept is integrated in bedside demonstrations and discussions of patient care.

The addition of a neonatologist to our staff has geometrically increased the capabilities of our intensive care nursery to a tertiary center for high-risk infants requiring critical care. These patients will be referred from other hospitals and transported by ambulance service with a pediatrician and nurse in attendance.

To assure adequate pediatric training, the students are also permitted to rotate to other accredited osteopathic hospitals at which similar pediatric programs are followed. The department chairman oversees all these pediatric programs in consultation with the Assistant Dean of Clinical Education.

The whole-time infectious disease pediatrician will be involved in both teaching, patient care, and research by forming an association with the college microbiologist and hospital pathologist.

Behavioral pediatrics, which is now becoming more prominent in pediatric diagnosis and treatment centers is present in our curriculum and our in- and outpatient settings. The habilitation specialist also functions as a consultant to the neurosensory unit which correlates all the various specialties and modalities to diagnose learning disabilities, mental retardation, and other developmental problems which beset children.

CHAIRMAN AND PROFESSOR	Domenic A. Debias, A.B., M.A., Ph.D.	
PROFESSOR	Spencer G. Bradford, D.O., M.Sc. (Physiol.)	PHYSIOLOGY AND PHARMACOLOGY
VISITING PROFESSOR	M. H. F. Friedman, B.Sc., M.A., Ph.D.	
ASSOCIATE PROFESSOR	Eugene A. Lentini, A.B., M.A., Ph.D.	

ASSISTANT PROFESSORS	Fred K. Carr, B.S., Ph.D. Charlotte H. Greene, B.S., Ph.D. Henry Hitner, B.S., M.S., Ph.D. Barbara Nagle, B.S., M.S., Ph.D. Walter Prozialeck, Ph.D.
LECTURERS	E. Milton Friedman, A.B., D.O. Nicholas M. Renzi, B.S., D.O. Norman B. Richter, B.S., D.O.

First Year

Medical Physiology. Dr. DeBias and Staff. Students are presented the basic principles in the physiology of the basic cell, blood, circulation, respiration, physiologic basis of osteopathic medicine, muscle and nerve physiology, metabolism, digestion, endocrine system and kidney. They are indoctrinated in the fundamentals of the functional phases of the physiology systems of the body. The osteopathic concept is emphasized whenever applicable. In addition to the basic physiology, bridges between the basic sciences and the clinical phases are established. The conference system of instruction is used and a highly integrated program of audiovisual aids supplements the lectures and conferences. Laboratory sessions provide demonstration and use of a number of advanced research modalities. The objective is to teach basic physiological principles with clinical applications.

Neurophysiology. The department of physiology participates in the multi-disciplinary course in Neurosensory Sciences. The physiology of the central nervous system and special senses are taught in the Neurosensory Sciences course.

Second Year

Third and Fourth Years

Members of the department participate in postdoctoral programs as well as undergraduate multi-discipline teaching. Special programs are available for those students selecting electives in physiology, pharmacology, or research.

CHAIRMAN
AND
PROFESSOR

Robert L. Meals, B.S., D.O., M.Sc. (Rad.), F.A.C.O.R.

AND

VICE CHAIRMAN Jon Peter Tilley, B.A., D.O., M.Sc. (Rad.)

PROFESSORS

PROFESSOR

EMERITI

Paul T. Lloyd, D.O., M.Sc. (Ost.), D.Sc., F.A.O.C.R., F.A.C.O.S.

A Aline Swift, D.O., M.Sc. (Ost.)

CLINICAL PROFESSOR

Quentin R. Flickinger, D.O., M.Sc. (Rad.)

ASSOCIATE **PROFESSORS**

Henry J. Helak, B.S., D.O. Burton Marks, D.O.

CLINICAL ASSOCIATE **PROFESSOR**

William E. Betts, Jr., A.B., D.O., M.Sc. (Rad.), F.A.C.O.S., F.A.C.G., F.A.C.O.R.

ASSISTANT PROFESSORS

David B. Kusner, B.A., D.A.B.R. Radiation Physics Richard M. Purse, B.S., D.O., M.Sc. (Rad.), M.Sc. (Physiol.) John Stucka, Jr., B.S.E.E., M.S.E.E., D.O.

CLINICAL ASSISTANT **PROFESSORS**

Richard A. Kiszonas, B.S., D.O., M.Sc. (Rad.)

Norman F. Ruttenberg, B.S., D.O. Neuroradiology

The following faculty are members of our affiliated hospital staffs and actively participate in our program of clinical education:

CLINICAL **ASSISTANT PROFESSORS**

Joseph R. Alexander, B.A., D.O. Sherman M. Bannett, B.S., D.O. David M. Bolden, B.A., D.O. Maury M. Brenner, D.O. Paul J. Chase, B.A., D.O. Frank DeLuise, D.O. Stephen L. Edell, B.A., D.O. Lawrence Greer, D.O. Lewis Halin, D.O. David W. Humphrey, D.O. Marvin A. Kupersmit, B.A., D.O. Bernard LaBove, B.A., D.O. Murry E. Levyn, D.O. Noel L. Melhorn, B.S., M.Sc., D.O.

Milton Metzman, B.S., D.O.

RADIOLOGY

Manuel H. Sloane, D.O., F.A.O.C.H.
Manuel H. Sloane, D.O.
Henry K. Smith, B.S., D.O.
Stephen W. Thal, B.S., D.O.
Bernard Topfer, D.O.
Daniel Trachtenberg, D.O.
Michael Zappitelli, D.O.

CLINICAL

Angelo J. Zappala, B.S., D.O.

The department of radiology offers courses of instruction designed and arranged to acquaint the student with the physical properties and the biological effects of ironizing radiations, together with their application to the fields of diagnostic and therapeutic medicine and to their uses in present day investigation and research.

First Year

Radiology I. Fundamentals of Radiology. A required course of normal radiographic anatomy integrated with first and second terms of Anatomy. Emphasis will be placed on normal and developmental roentgen anatomy as it relates to clinical medicine. It will include basic radiobiology, physics, nuclear medicine and therapy as related to the anatomical basis of medical practice. Offered first and second terms

... 16 hours

Second Year

Radiology III. Diagnostic Radiology. A required course to include the disease states of all the organ systems with review of both routine and special procedures to correlate with gross pathologic anatomy. 24 hours

Third Year

Radiology IV. Clinical Radiology. A required course of six weeks duration presented for rotational groups of 16 to 20 students. It includes self-instructional seminars, slides (568), rotating film exhibits (300), round table discussions on planning roentgen studies, didactic lectures on specialty areas, seminars and conferences in nuclear medicine, departmental conferences and tumor board meetings. Two weeks are spent in the department of radiology of one of the osteopathic hospitals of the Greater Delaware Valley.

Radiology V. Therapeutic Radiology. An elective seminar-type course. For those students who show continuing interest in the specialty. To include the therapeutic use of orthovoltage and supervoltage radiation for the treatment of cancer.

Radiology VI. Nuclear Medicine. An elective seminar-type course. For those students who show continuing interest in the specialty of nuclear medicine. To include the diagnostic and therapeutic use of radioisotopes.



Third or Fourth Year

Elective. Radiation Oncology. Available to a limited number of students showing particular interest in that subject.

Fourth Year

Conferences. Regular radiological conferences are presented by the department of radiology for the interns and residents. Such conferences are held throughout the college year. Cases currently active in the hospitals and clinics are presented and discussed. Student clerks are expected to be in attendance upon such conferences.

The department of radiology actively participates in other departmental conferences, thus furthering the exposure of the student to medical radiology.

Electives. Qualified students displaying particular interest in radiology may apply to the chairman of the department of radiology for additional study applicable to areas of special interest.

During the summer, a limited number of students may be received in the department of radiology for concentrated study in diagnostic and therapeutic radiology.

CLINICAL ASSISTANT PROFESSOR Ronald Abraham, A.B., D.O.

CLINICAL

Harris A. Ross, D.O.

FELLOW

Robert Goldberg, A.B., D.O.

REHABILITATION MEDICINE

The following faculty are members of our affiliated hospital staffs and actively participate in our program of clinical education:

CLINICAL ASSISTANT PROFESSORS Bennie L. Agresti, D.O. David Rosenthal, D.O.

Second Year

Third and Fourth Years

Examination of patients and their management of rehabilitation, using physical modalities, exercise techniques, etc. Students also have an opportunity to do electromyographic studies.

CHAIRMAN AND PROFESSOR Galen S. Young, D.O., M.Sc. (Sur.), D.Sc., F.A.C.O.S., F.A.A.O.

VICE CHAIRMAN, DIVISIONAL CHAIRMAN Robert H. Jama, B.S., D.O., M.Sc. (Sur.)

Shock and Trauma

CHAIRMAN AND ASSOCIATE PROFESSOR

DIVISIONAL CHAIRMAN

PROFESSOR

AND

F.A.C.O.S.

Orthopedic Surgery

PROFESSORS

Robert C. Erwin, D.O., F.A.C.O.S. Herman Kohn, D.O., F.A.C.O.S.

J. Brendan Wynne, A.B., D.O.,



DIVISIONAL CHAIRMEN AND CLINICAL PROFESSORS Leonard H. Finkelstein, B.S., D.O., M.Sc., (Uro. Sur.)

Urology

Jerome A. Greenspan, D.Sc., D.O.

F.A.C.O.Pr. Proctology

Raymond L. Ruberg, D.O., M.Sc. (Sur.)

F.A.C.O.S. Neurologic Surgery

CLINICAL **PROFESSORS**

Charles Brimfield, D.O., F.A.C.O.S.

Orthopedic Surgery Arthur Flack, Jr., D.O.

Surgery

Arnold Gerber, D.O., M.Sc. (Ortho. Sur.),

F.A.C.O.S., F.A.O.A.O. Orthopedic Surgery

ASSOCIATE PROFESSOR Joseph P. Guagliardo, A.B.,

D.O.

Orthopedic Surgery

CLINICAL **ASSOCIATE PROFESSORS** Albert D. Bonier, D.O., M.Sc. (Sur.),

F.A.C.O.S. Suraery

Henry A. D'Alonzo, B.S., D.O., M.Sc.

(Sur.), F.A.C.O.S. Thoracic Surgery

John J. Fleitz, A.B., D.O., F.A.O.C.P.R.

Proctology

Nicholas C. Pedano, B.S., D.O.

Suraerv

Thomas Francis A. Powell, A.B., D.O.,

F.A.C.O.S.

Surgery

Robert B. Swain, B.S. D.O.

Urology

Warren H. Swenson, D.O., M.Sc. (Sur.),

F.A.C.O.S. Surgery

Robert A. Whinney, D.O.,

M.Sc. (Uro. Sur.)

Urology

CLINICAL **ASSISTANT PROFESSORS** Bernard J. Amster, B.S., D.O. Orthopedic Surgery

David Arsht, B.S.M.E., D.O.

Urology

William E. Briglia, D.O.

Robinson G. Fry, B.S., D.O., F.A.C.O.S.

Surgery

Edward A. Gotfried, B.A., D.O.

Surgery

Sherman Leis, B.S., D.O.

Surgery

Charles A. Mauriello, B.S., D.O.

Orthopedic Surgery

Anthony A. Minissale, B.S., D.O.
Surgery
Carl Mogil, A.B., D.O.
Orthopedic Surgery
Leonard B. Segal, A.B., D.O., F.A.C.O.S.
Surgery
James A. Wilson, A.B., D.O.
Surgery

.ECTURER

Ronald R. Ganelli, D.O. Surgery

CLINICAL INSTRUCTORS

Edward Silverman, B.S., D.O.
Surgery
Ira D. Weisband, B.S., D.O.
Orthopedic Surgery

FELLOWS

Christopher Hasbach, B.A., D.O. Steven Katz, B.A., M.Sc., D.O.

The following faculty are members of our affiliated hospital staffs and actively participate in our program of clinical education:

CLINICAL ASSISTANT PROFESSORS

Michael I. Abraham, B.A., D.O. Norman M. Axelrod, D.O., F.A.C.O.G. Vivian M. Barsky, B.S., D.O. Dominic Bontempo, D.O. Gary D. Brown, D.O. Joseph P. Cardinale, B.S., D.O. Daniel C. Carneval, B.S., D.O. Alexander Chernyk, D.O. Richard J. Citta, D.O., F.A.C.O.S. Joseph M. DeVivo, D.O. Edward L. DiCola, B.A., D.O., F.A.C.O.S. Harry E. Elston, Jr., D.O., F.A.C.O.S. Ronald A. Esper, D.O. James J. Giliberto, D.O., F.A.C.O.S. Samuel Guyer, A.B., D.O. Donald E. Hauck, D.O., F.A.O.C.Pr. Elias J. Isaac, D.O. James L. Harris, B.S., M.Sc. (Sur.), D.O. John L. Johnston, D.O. J. Harris Joseph, B.S., M.Ed., D.O., F.A.C.O.S. Seymour G. Kaufman, A.B., D.O., F.A.C.O.S., F.A.O.A.O. Seymour S. Kilstein, D.O. R. Dale McCormack, D.O. Frederick G. Meoli, B.A., D.O. J. Kenneth Miller, D.O. Harvey N. Mogul, D.O. Brendan J. O'Brien, B.S., D.O. Ronald W. Pearson, D.O. John C. Pellosie, D.O.

Robert J. Sherman, M.Sc., D.O., F.A.C.O.S. F. Kenneth Shockley, B.A., D.O. Wallace W. Steehler, D.O. Harvey J. Yorker, A.B., D.O. Bernard Zeliger, B.A., D.O.

CLINICAL

Vincent G. Allora, B.S., D.O. William P. Brown, D.O. Harry R. Burger, D.O. Dennis W. Cakouros, D.O. Larry Cohen, D.O. Thomas R. Czarnecki, D.O. Robert Driscoll, D.O. Anthony J. Elisco, B.S., D.O. James M. Esper, D.O. Anthony J. Ferretti, B.S., D.O. William J. Giese, D.O. Charles W. Hash Jr., D.O. Barry J. Hennessey, D.O. Robert R. Kaneda, B.S., D.O. Clayton C. Lindemuth, D.O. Willard L. Noves, B.S., D.O. Stanley Orons, D.O. Randal Raeuchle, D.O. G. Philip Scott, D.O. Edward Silverman, B.S., D.O. James N. Stengel, A.B., D.O. Edwin J. Sullivan, D.O. Philip G. Vitelli, D.O. Dennis Zaslow, B.S., D.O.

First Year

Clinical Correlation. Members of the department of surgery participate in this program. Designed to include all specialties of medicine and surgery, it correlates clinical aspects with the basic sciences throughout the first year. This program is integrated with a course in anatomy.

Introduction to Clinical Practice. Basic clinical procedures are demonstrated and practiced under supervision. Audiovisual aids are used liberally............ 16 hours

Physical Diagnosis. Members of the department participate in this cooperative lecture and practice course in physical diagnosis along with members of the departments of internal medicine and osteopathic principles and practice...32 hours

Second Year

Surgery I (Introduction). Basics and principles of surgery are presented by lecture and demonstration with the liberal use of audiovisual aids. Basic concepts and principles of osteopathic diagnosis as related to surgical procedures and treatment are emphasized in this course.

Surgery II (Traumatic). Lectures and demonstrations designed to present to the student the principles and concepts of the diagnosis and treatment of trauma and its manifestations. The subject matter is primarily that of the handling of the patient with specific trauma due to massive lacerations, gunshot wounds and burns. In addition,

number of lectures are devoted to acquaint the student with the legal implications f the traumatized patient from the liability and workmen's compensation aspect.

Surgery III (General). Lectures and demonstrations dealing with an introduction of the surgical skills including sterile technique, suture technique, surgical diagnosis, and pre-and post-operative care. Demonstrations of post-operative methods of iagnosis relative to palpation of related somatic components effecting organic hanges are included in the surgical training of the student. Special osteopathic nanipulative procedures pre-operatively and post-operatively are demonstrated at ne bedside, affecting the convalescence of the patient.

Surgery IV (General). Lectures and conferences dealing with regional surgery, notuding the study of gross pathology, surgical diagnosis and differential diagnosis. Simical lectures during the performance of various operations are presented with emphasis placed on diagnosis, treatment and follow up.

Surgery V (Orthopedics). The series of lectures and demonstrations present the pasic fundamentals necessary for the student to master in order to make orthopedic liagnoses. The general field of orthopedic problems, as well as congenital nalformations and traumatic and acquired deformities are presented with emphasis on the more commonly encountered conditions. Part of the lecture series is designed o acquaint the student with the various types of trauma associated with the nusculoskeletal system, and where possible, these lectures are accompanied by clinical presentations.

Urology. Basic fundamentals of genito-urinary diseases are given, including eading signs, symptoms and findings in genito-urinary diseases, as well as discussion of all diagnostic procedures. Diagnostic urologic workup, both in office and hospital, s discussed. Demonstration of urologic instruments is given. Lecture material consists of diseases, malformations and injuries of the penis, urethra, scrotum and scrotal contents, seminal vesicles, prostate and urethral and bladder disorders in the female. Pediatric urology, stressing the most common problems encountered, is also discussed. Discussions include diagnosis and both conservative and surgical treatments.

Lectures also discuss diseases, injuries and malformations of the urinary bladder, including acute and chronic infections, calculus disease, iatrogenic injuries, tumors of the urinary bladder, as well as their treatment; calculus disease of the kidneys and ureters; diseases, malformations and injuries of the kidneys and ureters; tumors and cysts of the kidneys and adrenal glands. Management of the urologic patient with indwelling catheter and urinary diversion is also given. Discussions of urologic aspects of medical renal disease is given, at times in conjunction with the department of medicine.

Total surgery hours, second year 128 hours

Third and Fourth Years

Third-year students are rotated through the surgical specialty clinics and trained in surgical diagnosis, procedures and post-operative care and rehabilitation. Conferences, demonstrations and assignments round out the program along with the course in Animal Surgery (Surgery VI).

Surgery VI (Animal Surgery). Elective. During the educational experience of the student in surgery, a course is given in animal surgery in vivo. It is the purpose of this discipline to acquaint the student with work in a sterile environment on a living, anesthetized specimen. This procedure is designed to instruct students in the control



of hemorrhage and the laws of sterility, thereby preparing them to obtain confidence in their ability to perform prior to aiding in the outpatient department of the clinics and in practical preparation for internship. This is presented as a part of the Clinical Experience Program.

The hospital-clerkship schedule involves a rotation through the clinics and the affiliated hospitals with instruction in the fundamentals of sterile technique in the operating room, assisting at surgical procedures and pre- and post-operative care.

Certification for graduation by the surgical department will require regular attendance upon group assignments, in the operating rooms, post-operative areas, emergency rooms and surgical clinics as assigned.

Practical surgical experiences are obtained in these areas through lectures, demonstrations, conferences and actual participation under supervision. Participation in the activities in the above areas provides the fourth-year student with excellent opportunities for correlating and rounding out surgical information and data gained in the first three years of pre-doctoral training. Conferences in the course of the outpatient department schedule develop recognition by the student of conditions suggesting surgical reference.

Unusual cases of teaching value in surgery are constantly being reviewed in the clinics and hospitals. These cases serve as good material for grand rounds in the hospitals, which are under the direction of the senior surgeon in charge. Conferences and lectures are conducted throughout the entire year in general and traumatic surgery for externs, interns and residents. The students are requested to prepare and

oresent these teaching cases under the direction of an attending surgeon. Guest surgeons are invited to lecture to the surgical students from time to time during the year. This serves to give the student a wider scope of knowledge with diversification of opinion.

CLINICAL EDUCATION PROGRAM

The third- and fourth-year educational programs at Philadelphia College of Osteopathic Medicine are largely conducted in the health care centers, the Hospital of PCOM and affiliated hospitals throughout the Commonwealth of Pennsylvania. One objective of Philadelphia College of Osteopathic Medicine is to encourage graduates to locate in areas of health manpower need throughout Pennsylvania. Therefore, all students entering the college must be prepared to accept clinical education assignments throughout the State. Course work is held to a minimum during the third and fourth years, and is scheduled so as to minimize any conflict with clinical duties and responsibilities.

Students are rotated through the health care centers, including the facility at Laporte, Pa., the Greenwood Medical Center at Millerstown, Pa., the Southern Huntingdon County Medical Center in Orbisonia, Pa., and through all services at the hospital. In addition, students may be assigned to members of the osteopathic profession for duties at other osteopathic hospitals. These, in effect, become teaching arms of the college. In this way the Commonwealth of Pennsylvania serves as the campus for clinical education.

A program of office preceptorships also affords practical office training. The student records patient histories and performs physical examinations under supervision.

The educational program includes daily patient rounds when on clinical services. Didactic presentations may consist of lectures, conferences, case presentations, group instruction in auscultation and electrocardiography, etc. When possible and appropriate, case conferences concern patients on service in the hospitals and health care centers. Students will rotate through hospital services in medicine, surgery, obstetrics and gynecology, radiology, pathology, pediatrics and emergency room.

When on service in the outpatient sector, the student has his/her own group of patients whom he/she examines and treats under supervision. The student also attends specialty clinics and case conferences. Tumor clinic with case conference is scheduled weekly and students are in attendance.

PRE-DOCTORAL RESEARCH

The educational program leading to the D.O. degree, which all students pursue at Philadelphia College of Osteopathic Medicine, requires laboratory studies which further students' experience in research training. Elective research training experience is available on a scholarship basis as part of the curriculum. The research program of the college is under the general guidance and direction of the director of research and the faculty committee on research.

Postdoctoral Education

Philadelphia College of Osteopathic Medicine conducts postdoctoral courses and programs for the purpose of supplementing the education of recent graduates of colleges of osteopathic medicine and maintaining the knowledge and skills of practicing osteopathic physicians.

CONTINUING MEDICAL EDUCATION PROGRAMS

In order to maintain and expand the current knowledge and skills of practicing osteopathic physicians, Philadelphia College of Osteopathic Medicine offers continuing medical education programs throughout the year. Most are designed to be eligible for American Osteopathic Association Category IA continuing medical education credits. A calendar of these courses is published annually.

Continuing medical education programs are under the auspices of the Division of Special and Continuing Education, which also provides educational and informational programs for patients and various other professional and public groups.

At the discretion of the director, persons other than osteopathic physicians may, upon application, be granted permission to audit continuing medical education programs.

Acceptance into any course may be limited on the basis of available places. Registration and tuition fees, when stipulated, are payable at the time of registration, and are not refundable for non-attendance. However, should the college find it necessary to cancel any course, registration fees or tuition will be refunded.

On consultation with the director, it may be possible to arrange special programs suited to the needs of the individual physician.

All applications and inquiries should be addressed to:

Spencer G. Bradford, D.O.
Director, Division of Special and Continuing Education
Philadelphia College of Osteopathic Medicine
4150 -90 City Avenue
Philadelphia, PA 19131

POSTDOCTORAL COURSE SCHEDULE 1980-81

One-day seminars

September 13	Urology
	Practical Proctology for Practitioners
October 11	Neurology
October 25	Pediatrics
November 1	Sexual Dysfunction & Sexual Counselling
December 6	Osteopathic Management of
	Shoulder Problems
January 17	Surgical Oncology
February 14	Hematology
	Cardiac Arrhythmias
March 7	Applications of Osteopathic Cranial Therapy
	Infectious Disease
March 28	Obstetrics-Gynecology

	Extended Programs
	Psychiatry
	Dermatology
	Obesity
April 25	Orthopedic Problems in General Practice
April 1	Sports workshop

January 5-9	Applied Basic Sciences
	Selected Topics in
	Osteopathic Family Medicine (10 Wednesdays)
March 23-27	Advanced Emergency Medicine
1 0 10	One att Americal Internal Madicine Decision

March 23-27 Advanced Emergency Medicine
June 8-12 Seventh Annual Internal Medicine Review
July 13-17 Osteopathic Manipulative Medicine

INTERNSHIPS AND RESIDENCIES

Enrollment is limited so that each physician may obtain maximum instruction; therefore, it is recommended that application be made as early as possible.

The minimum requirements for admission to internship are:

- 1. Graduation from a college of osteopathic medicine approved by the American Osteopathic Association, and membership in the American Osteopathic Association.
- 2. A record of scholastic achievement indicative of the ability to benefit from the year of rotating internship.

The minimum requirements for admission to residency in one of the various specialties are:

- 1. Graduation from a college of osteopathic medicine approved by the American Osteopathic Association, and membership in the American Osteopathic Association.
- 2. Completion of an internship approved by the American Osteopathic Association.
- 3. A record of scholastic and clinical achievement indicative of ability to benefit fully from the residency training program.
- 4. Applications for internship and residency should be addressed to:

Richard M. Papa, D.O.
Director of Medical Education
Hospital of Philadelphia College of
Osteopathic Medicine
4150-90 City Avenue
Philadelphia, PA 19131

Master of Science Degree

Philadelphia College of Osteopathic Medicine conducts programs of study in clinical specialties leading to the Master of Science Degree. These programs are postdoctoral degree programs and are available only to those candidates who pursue programs in residency; that is, as residents, or other full-time students.

The minimum requirements for the degree of Master of Science in a clinical specialty are:

- 1. Graduation from a college of osteopathic medicine approved by the American Osteopathic Association, and membership in the American Osteopathic Association.
- Completion of an internship approved by the American Osteopathic Association.
- 3. The applicant must hold a full-time postdoctoral appointment from Philadelphia College of Osteopathic Medicine, and its hospital.
- 4. The applicant must present to the faculty an acceptable thesis based upon original research. The subject and detailed plan of the research project must be submitted in writing for approval by the Chairman and the Dean and reviewed by the research committee before the work is undertaken. Four copies of the thesis must be submitted in the required format.
- 5. The prescribed program and research must be completed at a level of excellence
- 6. Application for admission to a program leading to the degree of Master of Science must be made to the Dean not later than two academic years prior to the date the candidate expects to complete his or her work. (Information and applications may be obtained from the Office of the Dean.)

Applications for the Master of Science program should be addressed to:

Robert W. England, D.O., Dean Philadelphia College of Osteopathic Medicine 4150-90 City Avenue Philadelphia, PA 19131

ROSTER OF RESIDENTS AND INTERNS RESIDENTS 1980-81

- Avart, Mark David, B.A., D.O.—Orthopedics University of Pennsylvania; P.C.O.M.; 1st year Merion, PA
- Becker, Andrew N., B.A., D.O.—General Practice University of Maryland; C.O.M.S.; 1st year Cherry Hill, NJ
- Boschetti, John, B.S., D.O., Obstetrics/ Gynecology Philadelphia College of Textiles and Science; P.C.O.M.; 1st year Philadelphia
- Bronfman, Jana, B.S., D.O.—Emergency Medicine Baker University; K.C.C.O.M.; 2nd year Saginaw, MI
- Canosa, Roddy, B.S., D.O.—Internal Medicine St. Joseph's University; P.C.O.M.; 2nd year Havertown, PA

- Chinnici, Joanne C., B.A., D.O.—General Surgery
 Temple University; University of Florida; P.C.O.M.; 4th year
 Gwynedd Valley, PA
- Covett, Robert, B.A., D.O.—Internal Medicine Brown University; P.C.O.M.; 2nd year Brockton, MA
- Curlik, Sharon M., B.S., D.O.—General Surgery St. Joseph's University; P.C.O.M.; 1st year Philadelphia
- **Dale, James G.,** B.S., D.O.—Internal Medicine St. Joseph's University; P.C.O.M.; 1st year Strafford, PA
- DiMario, Carmen, B.S., M.S., D.O— Otorhinolaryngology Duquesne University; Villanova University; P.C.O.M.; 3rd year Philadelphia

- **DiPasquale, Anthony,** B.A., D.O.—Emergency Medicine St. Joseph's University: P.C.O.M.: 2nd year
 - St. Joseph's University; P.C.O.M.; 2nd year Philadelphia
- Doms, Stephen R., B.S., D.P.M.—Podiatry University of Minnesota; Pennsylvania College of Podiatric Medicine; 1st year Philadelphia
- Ehrenfeuchter, Walter Carl, B.S., D.C.— Osteopathic Principles and Practice Drexel University; P.C.O.M.; 1st year Southampton, PA
- Fraider, Conrad, B.S., D.O.—Orthopedics Drexel University, P.C.O.M.; 3rd year Norristown, PA
- **Gefvert, William,** B.S., D.O.—Internal Medicine Drexel University; P.C.O.M.; 2nd year Philadelphia
- Giuliano, Robert F., B.S., D.O.—General Surgery St. Joseph's University; P.C.O.M.; 1st year Philadelphia
- **Goldberg, Mark K.,** B.S., D.P.M.—Podiatry St. Joseph's University; Pennsylvania College of Podiatric Medicine; 1st year Philadelphia
- **Granoff, David W.,** B.S., D.O.— Otorhinolaryngology Ursinus College; P.C.O.M.; 2nd year Cherry Hill, NJ
- **Guest, Dennis M.,** A.B., D.O.—Emergency Medicine
 Temple University; P.C.O.M.; 1st year Philadelphia
- Helt, Anna M., B.A., D.O.—General Practice University of Pennsylvania; P.C.O.M.; 1st year Philadelphia
- Henwood, William, B.S., D.O.—General Surgery Duquesne University School of Pharmacy; P.C.O.M.; 4th year Bethel Park, PA
- Imber, Paul, B.S., D.O.—Otorhinolaryngology St. Joseph's University; P.C.O.M.; 2nd year Bryn Mawr, PA
- Kanoff, Richard B., B.A., D.O.—Neurosurgery University of Pennsylvania; P.C.O.M.; 5th year Yeadon, PA
- Kenis, George J., B.S., D.O.—Pediatrics Widner College; P.C.O.M.; 1st year Upper Darby, PA
- Knox, Margaret, B.A., D.O. Pediatrics Immaculata College; P.C.O.M.; 2nd year Nesquehoning, PA
- **Kornberg, Bruce,** B.S., D.O.—Internal Medicine Washington College; P.C.O.M.; 2nd year Elkins Park, PA
- Manfrey, Samuel, B.S., D.O.—Urology State College of New York; P.C.O.M.; 4th year Fredonia, NY
- Marder, Larry M., B.A., D.O.—General Surgery Providence College; P.C.O.M.; 1st year Providence, RI

- Margolis, Bruce Steven, A.B., D.O.—Internal Medicine
 Temple University; P.C.O.M.; 1st year
 Broomall PA
- Moore, Joan L., B.A., M.A., D.O.—Radiology Emmanuel College; Wellesley College; P.C.O.M.; 3rd year Schuylkill Township, PA
- Pocius, Vernon E., A.B., D.O.—Radiology Rutgers—The State University; PCOM; 3rd year Pennsauken, NJ
- Rossi, Paul C., B.S., D.O.—Emergency Medicine St. John's University; C.O.M.S.; 1st year Garwood, N.I
- Sacks, Robert J., A.B., D.O.—General Practice Temple University; C.O.M.S.; 1st year Cherry Hill, NJ
- St. George, Carol L., B.S., D.O.— Otorhinolaryngology Philadelphia College of Pharmacy and Science; P.C.O.M.; 1st year Huntingdon Valley, PA
- Silverman, Brian S., B.A., D.O.—Emergency Medicine Franklin and Marshall College; P.C.O.M.;; 1st year Merion, PA
- **Solis, David H.,** B.S., D.O.—General Practice Trinity College; C.O.M.S.; 1st year Philadelphia
- **Street, Henry H.,** B.S., D.O.—General Practice Cornell University; P.C.O.M.; 1st year
- **Tieff, Michael,** B.S., D.O.—Radiology
 The Pennsylvania State University; P.C.O.M.;
 2nd year
 Pocono Summit, PA
- **Turner, Rick L.,** B.A., D.O.—Obstetrics/ Gynecology Southern Illinois University; P.C.O.M.; 1st year Pittsburgh, PA
- **Weiner, Ira,** B.A., D.O.—Urology Rutgers University; C.O.M.S.; 3rd year Philadelphia
- Weinerman, Brent, B.S., D.O.—General Practice Villanova University; P.C.O.M.; 2nd year Philadelphia
- **Wise, Douglas J.,** B.S., D.O.—General Practice Drexel University; P.C.O.M.; 1st year Lansing, MI
- Yungst, Paul, B.S., D.P.M.—Podiatry Tulane University; New York College of Podiatric Medicine; 1st year Union, NJ
- **Zubres, Mark D.,** B.S., D.O.—Radiology Union College; C.C.O.M.; 2nd year Columbus, OH

INTERNS 1980-1981

- **Arnold, Wayne V.,** B.S., D.O. King's College; P.C.O.M. Drums, PA
- Attolino, Raymond B., B.S., D.O. St. John's University; P.C.O.M. New Hyde Park, NY
- Becker, Joseph D., B.A., D.O. Ithaca College; P.C.O.M. Lafavette Hill. PA
- Berman, Eric D., B.A., D.O.

 New College of Hofstra University; P.C.O.M.

 Annapolis, MD
- Conley-Hostetter, Carol A., B.S., M.A., D.O. Dayton University; Ohio State University; P.C.O.M. Columbus, OH
- **Flaherty, Lisa,** B.A., D.O. Boston University; P.C.O.M. Philadelphia
- Gable, Joan M., B.A., D.O. Gwynedd Mercy College; P.C.O.M. Philadelphia
- **Geary, Richard C.,** B.S., M.S., D.O. University of Pennsylvania; Villanova University; P.C.O.M. Philadelphia
- **Ginsberg, Philip C.,** B.S., D.O. Villanova University; P.C.O.M. Elkins Park, PA

- **Goldberg, Scot E.,** A.B., D.O. Temple University; P.C.O.M. Cheltenham, PA
- Maranzini, Paul F., B.S., D.O. St. Joseph's University; P.C.O.M. Philadelphia
- **Murphy, Jane F.,** B.S., D.O. University of Notre Dame; P.C.O.M. Springboro, OH
- **Powell, Thomas F.,** B.A., D.O.
 The Pennsylvania State University; P.C.O.M.
 Philadelphia
- Sachs, Ira C., A.B., D.O.
 Temple University; P.C.O.M.
 Philadelphia
- Servi, Ronald J., B.Sc., D.O. Muhlenberg College; P.C.O.M. Lexinaton, MA
- **Simons, Richard P.,** B.S., D.O. The Pennsylvania State University; P.C.O.M. Boalsburg, PA
- **Skotnicki, Robert A.,** B.S., D.O. John Carroll University; P.C.O.M. Erie, PA
- Smith, Jeffrey S., B.S., D.O. Grove City College; P.C.O.M. Millersville, PA
- **Speicher, Joseph M.,** B.S., D.O. Fairfield University; P.C.O.M. Carbondale, PA
- **Tourigian, Harry J.,** B.S., D.O. Villanova University; P.C.O.M. Bala Cynwyd, PA

COMMENCEMENT 1980

DEGREE RECIPIENTS Eighty-eighth Commencement—June 8, 1980

Doctor of Laws

George Warren Northup, D.O., F.A.A.O., F.A.C.G.P., F.A.C.O.S.

Editor-in-Chief
American Osteopathic Association
Medical Director
Mesa General Hospital
President

American Osteopathic Association (1958)

Master of Science (Pediatrics) **Steven Martin Snyder, D.O.** P.C.O.M., Class of 1975

Master of Science (Surgery) Steven Katz, D.O. P.C.O.M., Class of 1974

DEGREE RECIPIENTS **DOCTOR OF OSTEOPATHY**

Abney, Isaiah J.

Philadelphia

B.A., Chevney State College

Abraham, Benjamin

Jakarta, Indonesia

B.A., Howard Payne University

Agresta, Rudolph Gerard, Jr.

River Edge, NJ

B.S., Seton Hall University

Albers, Arthur Libby

St. Petersburg, FL

B.A., University of South Florida

Allov. Curtis A.

Cheltenham, PA

B.S., George Washington University

Anarumo, Beverly Joy

Barrington, RI

B.S., Providence College

Argenio, Lauren P.

West Pittston, PA

B. Mus.Ed., Marywood College

Arnold, Wayne Victor

Drums, PA

B.S., King's College

Aronson, Mark Jeffrey

Towanda, PA

A.B., Franklin and Marshall College

Attolino, Raymond Blaise

New Hyde Park, NY

B.S., Saint John's University

Augter, Gary Keith

Medford, OR

B.S., M.S., University of Oregon

Avetian, George K.

Drexel Hill, PA

B.S., Villanova University

Ball, Roberta R.

Cheltenham, PA

A.B., M.A., Temple University

Banks, Lois Helene

Camden, NJ

B.A., Greenville College

Banks, Richard William

Altoona, PA

B.S., The Pennsylvania State University

Baran, Nikolas John Thomas

Warminster, PA

B.S., Muhlenberg College

Bashline, Bruce Stewart

Grove City, PA

B.A., Allegheny College

M.Div., Andover Newton Theological School

Batluck, David John

Scranton, PA

B.S., University of Scranton

Beatty, Raymond Robert, Jr.

Pittsburgh, PA

A.B., Princeton University

Bechini, Dennis G.

Hershev, PA

B.S., Lebanon Valley College

M.S., The American University

Becker, Joseph David

Lafavette Hill, PA

B.A., Ithaca College

Belli, Albert John

Berlin, NJ

B.A., La Salle College

Bender, John Douglas

State College, PA

B.S., Lehigh University

M.S., The Pennsylvania State University

Berkley, Vincent Anthony

Philadelphia

B.A., B.S., College of the Holy Cross

Berman, Eric David

Annapolis, MD

B.A., New College of Hofstra University

Betts, Brooks

Easton, PA

A.B., Colgate University

Biasotto, Nicholas Oliver

Wilmington, DE

B.S., Allentown College of St. Francis de Sales

M.S., University of Delaware

Bird, William Morgan

Abinaton, PA

B.S. in Pharm., University of Rhode Island

Bitonte, David Alan

Youngstown, OH

B.S., University of Dayton

Boiarski, Michael Henry

Erie, PA

B.S., Gannon College

Boydman, Scott Alan

Springfield, NJ

B.A., Rutgers College

Bozzuto, Thomas Michael

Bangor, PA

B.S., Allentown College of St. Francis deSales

Brady, John Gregory Edward

Levittown, PA

B.A., La Salle College

Bridgens, Nancy Kieser

West Chester, PA

A.B., Immaculata College

Brodsky, Randall Ira

Bala Cynwyd, PA

B.S., Saint Joseph's University

Brown, Loretta Flora

Merion, PA

B.S., Eastern College

Buchanan, Larry Dale

Parma Heights, OH

B.A., Allegheny College

Burns, Patrick J.

Philadelphia

B.A., La Salle College

Calamia, Joseph Anthony

Norristown, PA Flizabethtown College

Caldwell, Craig Douglas

Cambridge Springs, PA

The Pennsylvania State University

Christine, Craig Richard

Allentown, PA

B.S., Kutztown State College

Cieniawa, Bernard Stanley

W. Hazleton, PA

B.S., Albright College

Clendenen, William Witeman

Indiana, PA

B.S., Virginia Polytechnic Institute

Conley, Carol Ann

Columbus, OH

B.S., Dayton University

M.A., Ohio State University

Contrucci, Robert Bruno

Forest Hills, NY

B.S., Saint John's University

Croft, Bradford Dean

Camp Hill, PA

B.S., Dickinson College

Cummings, Bruce W.

Muskegon, MI

B.S., Michigan State University

Dalton, Laura Souders

Berlin, NJ

B.A., Rutgers University

Derr. Jose Franklin

Berwick, PA

B.S., M.S., The Pennsylvania State University

DiBonaventure, John Joseph

Bridgeport, PA

B.S., Ursinus College

Dickerson, Robert F.

Gladwyne, PA

B.A., Wayne State University

Dietrich, Marcia C.

Oley, PA

B.S., Albright College

DiTommaso, Pat C.

Youngstown, OH

B.A., Case Western Reserve University

Eden, Gary William

New Castle, PA

B.S., University of Pittsburgh

Edwards, John L., Jr.

Philadelphia

B.A., M.Ed., The Pennsylvania State University

Elanjian, Marcel Richard

Dearborn, MI

B.S., Wayne State University

Esack, Richard B.

Hollywood FI

B.A., University of South Florida

Esper, Alan Nicholas

Erie, PA

B.A., Mansfield State College

Facciolo, Jack F.

Primos, PA

B.S., Delaware Valley College

Fagan, Steven Joseph

Staten Island, NY

B.S., United States Naval Academy

Farrah, Victor Byron

Meadville, PA

B.S., Allegheny College

Feiler, Harold Edward

Berwyn, PA

B.S., The Pennsylvania State University

Feldman, Bruce A.

Laurelton, PA

B.A., State University of New York at Buffalo

M.A., Roswell Park Memorial Institute, Division

of the State University of New York at Buffalo

Finkelstein, Mark Steven

Miami Shores, FL

B.A., University of Miami

Flaherty, Lisa

Philadelphia

B.A., Boston University

Freed, Marc Alan

Lafavette Hill, PA

B.A., Washington and Jefferson College

Friedenberg, David Samuel

Margate, NJ

B.S., Ursinus College

M.S., Rutgers-The State University

Gable, Joan Marie

Philadelphia

B.A., Gwynedd Mercy College

Gangewere, Keith David

Wind Gap, PA

B.S., Elizabethtown College

Garbeil, Patti Barbara

Broomall, PA

B.A., Franklin and Marshall College

Gardner, Bonnie J.

Muncy, PA

B.S., Saint Joseph's University

Gardner, Robert Richard

Pittsburgh, PA

B.S., Allegheny College

Geary, Richard C.

Philadelphia

B.S., University of Pennsylvania

M.S., Villanova University

Geisler, Alan Kenneth

Philadelphia

B.S., Muhlenberg College

M.S., Drexel University Ghen, Mitchell J.

Philadelphia

A.B., Temple University

Ginsberg, Phillip Carl

Elkins Park PA

B.S., Villanova University

Glenn, William Brian

King of Prussia, PA

B.S., Saint Bonaventure University

Godfrey, Craig Robert

Sharon, PA

B.A., Ohio Northern University

Goldberg, Scot Eliot

Cheltenham, PA

A.B., Temple University

Golden, Terry J.

Baltimore, MD

B.A., University of Maryland

Greene, Hinda Marsha

Clayton, NJ

B.A., Western College

M.A., Glassboro State College

Greenspan, Jeffrey Richard

Philadelphia

B.A., The Pennsylvania State University

Harmelin, Michael C.

Philadelphia

B.S., Muhlenberg College

Hnida, David William

Roselle Park, NJ

B.A., University of Pennsylvania

Hobson-Bullock, Michelle

Drexel Hill, PA

B.S., Saint Joseph's University

M.S., Villanova University

Hoque, James Davis

Norristown, PA B.S., Ursinus College

Holtzin, Robert Mark

Philadelphia

B.A., La Salle College

laccarino, Anthony Joseph, Jr.

Philadelphia

B.S., Saint Joseph's University

Jazwinski, Mary Lou

West Middlesex, PA

B.S., Alliance College

Johnson, Carl A.

McKeesport, PA

B.A., University of Pittsburgh

Johnson, William Joseph

Levittown, PA

B.S., The Pennsylvania State University

Jones, Robert Alan

Baden, PA

B.A., The Pennsylvania State University

Joseph, Mitchell Wayne

Philadelphia

B.S., University of Pittsburgh

Karlin, Paul Stuart

Philadelphia

A.B., Temple University

Karp, Ronda Ginsberg

Philadelphia

A.B., Temple University

Keagy, Gregory Stephen

York, PA

B.S., Juniata College

Keyser. Jeffrey Alan

West Lawn, PA

B.S. Albright College

Kirker, Jane Louise

Harrisburg, PA

B.A., Gettysburg College

Kish, John Michael

Ashley, PA

B.S., King's College

Klifto, Eugene Joseph

Blackwood, N.I.

B.A., Rutgers University

Klim, Gerald Vincent

Johnstown, PA

B.S., University of Richmond

Koenigsberg, Don Alexander

Bala Cynwyd, PA

B.A., Villanova University

Kosakoski, Joseph Michael

Tunkhannock, PA

B.S., King's College

Kosmorsky, Stephan John

Philadelphia

A.B., La Salle College

Kremer, Stuart Marcus

Bala Cynwyd, PA A.B., Temple University

Kryston, John Joseph, Jr.

Muir. PA

B.S., The Pennsylvania State University

Lambert, Joan Carol

Philadelphia

A.B., Immaculata College

Ph.D., University of Virginia

Leonetti-Sarraiocco, Joyce

Philadelphia

B.M., M.T.S., The Catholic University of America

Lerch, Gordon Lee

Chagrin Falls, OH

B.A., University of Colorado

Levrault, Richard Norman

Fall River, MA

B.A., M.S., Southeastern Massachusetts University

Lombard, Jeffrey Scott

Marietta, PA

B.S., Waynesburg College

Long, Brenton Vaughn

Mercer, PA

B.S., Westminster College

Longenecker, William Edward

East Petersburg, PA

B.S., Lehigh University

Lonzetta, Joseph Anthony, Jr.

Laflin, PA

B.S., King's College

Loser, Jeffrey Alen

Harrisburg, PA

B.S., Lebanon Valley College

Lowney, Joseph Francis

Fall River, MA

Providence College

Lurakis, Michael Frank

Philadelphia

B.A., B.S., University of Pennsylvania

Lurwick, Doris Russell

Philadelphia

B.A., LaSalle College

Maranzini, Paul F.

Philadelphia

B.S., St. Joseph's University

Margulies, Jerry Alan

Philadelphia

A.B., Temple University

Martin, Kenneth

Wilkes-Barre, PA

B.S. Wilkes College

Martino, Denise Marie

Norristown, PA

B.A. St. Joseph's University

Mazda, Russell Fred

Broomall, PA

B.S., Muhlenberg College

Mazzuca, Robert Francis

Medford, NJ

Rutgers University

McCormick, Alice Philadelphia

B.S., University of Rhode Island

McGrath, Robert Claude

Woodlynne, NJ

B.A., Rutgers University

Medwick, Gerald Richard

Mahanoy City, PA

B.S., The Pennsylvania State University

M.S., University of Pittsburgh

Missory, Kathleen Ann

Sharon, PA

B.S., The Pennsylvania State University

Mitchell, George A.

Marcus Hook, PA

University of Florida

Mitro, Robert Nicholas

Clairton, PA

B.S., Duquesne University School of Pharmacy

Murphy, Jane F.

Springboro, OH

B.S., University of Notre Dame

Napierkowski, Stanley Anthony

Philadelphia

B.A., University of Mississippi

Natello, Gregory W.

Glenolden, PA

A.B., Gettysburg College

Parschauer, Kenneth Edwin

Jamestown, NY

B.A., Roberts Wesleyan College

Paxson, Stephen Griffith

Lansdowne, PA

B.S., The Pennsylvania State University

Penrose, Deborah Brown

Philadelphia

B.F.A., Moore College of Art University of Pennsylvania

Peplowski, Bernyce Maria

Pittsburgh, PA

B.S., Duquesne University

Perez, Raymond Joseph

Lower Merion, PA

A.B., Temple University

Piorkowski, Joseph D.

Media, PA

B.A. Hofstra University

Pistone, William Rocco

Cherry Hill, NJ

B.S., St. Joseph's University

Polashenski, Edward Stanley

Drums PA

B.S., Syracuse University

Powell, Thomas F., Jr.

Philadelphia

B.A., The Pennsylvania State University

Rae, Harry Gunter

Sharon, PA

B.S., Youngstown State University

Randino, Lewis Donald

Philadelphia

A.B., Temple University

Richards, John Porter

Warren, OH

B.S., Ashland College

Riley, Serge James

Wilmington, DE

B.S., University of Delaware

M.S., State University of New York at Stony Brook

Rizzo, Frank Emileo

Exeter, PA

B.S., King's College

Roifer, Deborah Ruth

Philadelphia

B.S., Temple University

Ruggiero, Dominic Lawrence

Fast Brunswick, NJ

B.A., William Paterson College of New Jersey

Runkle, Edwin Stanley

Cressona, PA

B.S., The Pennsylvania State University

Russell, James Adams

Sinking Spring, PA

B.A., University of Rhode Island

M.S., Temple University

Sachs, Ira Charles

Philadelphia A.B., Temple University

Salvucci, Thomas Joseph

Upper Darby, PA

B.S., The Pennsylvania State University

Scaccia, David Francis

Sanford, ME

B.A., University of Connecticut

Scali, Victor Joseph

Clifton Heights, PA A.B., Temple University

Schreiber, Saul E.

Wynnewood, PA B.A., University of Pennsylvania

Schultes, Arthur Hillary

Haddonfield, NJ

B.S., University of Notre Dame

Scully, Brian Francis

Washington Crossing, PA B.A., La Salle College

Seelev, Linda Ann

Roslyn, PA

B.S., Gwynedd Mercy College

Segal, Marcia Ilene

Philadelphia

B.S., Syracuse University

Selk, Jeffrey Stephen

Bloomsburg, PA A.B., Temple University

Sell. Linda Lee

Grand Rapids, MI

B.S., Michigan State University

Seltzer, Paul David

Southfield, MI

Eastern Michigan University

Servi, Ronald Joel

Lexington, MA

B.Sc., Muhlenberg College

Shank, Michael Francis

Newtown Square, PA

B.S., St. Joseph's University

Shilala, Patrick Felix

DuBois, PA

B.S., Clarion State College

Shoemaker, Stephen Nixon

Dushore, PA

B.A., Franklin and Marshall College

Simons, Richard Paul

Boalsburg, PA

B.S., The Pennsylvania State University

Skotnicki, Robert Alan

Erie, PA

B.S., John Carroll University

Smith, Jeffrey Scott

Millersville, PA

B.S., Grove City College

Smith, Roberta Elaine

Fort Washington, PA

B.S., Ursinus College

M.S., Villanova University

Snyder, Samuel K.

Bethesda, MD

A.B., Princeton University

Speicher, Joseph Michael

Carbondale, PA

B.S., Fairfield University

Stefanowicz, Lois Veronica

Philadelphia

B.S., Chestnut Hill College

Stemmer, Maryellen

Wilkes-Barre PA

A.B., Immaculata College

Stetz, Drew John

Kingston, PA

B.S., King's College

Stevens, Philip Jo

Philadelphia

B.S., University of Pittsburgh

Stoner, Christopher Stouffer

Waynesboro, PA

B.E.E., M.S., Georgia Institute of Technology

Storey, Mitchel Dean

Palmyra, PA

B.A., Susquehanna University

Stratchko, Richard Anthony

McAdoo, PA

B.S., The Pennsylvania State University

Sweeney, Edward W.

Belle Vernon, PA

B.A., Washington and Jefferson University

B.S., University of Pittsburgh

Tadzynski, Leslie Anne

Philadelphia

B.S. in Pharm., Temple University College of

Pharmacy

Talarico, Joseph Francis

Erie, PA

B.S., Gannon College

Taus, John Kurt

Whitehall, PA

B.A., La Salle College

Telfevan, Celeste Ann

Manhasset, NY

B.A., Barnard College

Tepper, Lawrence Andrew

Laverock, PA

B.A., La Salle College

Terpeluk, Paul Aloyisious

Lafayette Hill, PA

B.A., La Salle College

Tetzlaff, Timothy Norman St. Thomas, Ontario, Canada

B.Sc., Trent University

Tourigian, Harry Jeffrey

Bala Cynwyd, PA

B.S., Villanova University

Tremper, Larry Jay

Pontiac, MI

B.A., Michigan State University

Turilli, Nicholas Joseph

Providence, RI

B.S., Providence College

Vitz, Brian Lloyd

York, PA

B.S., York College of Pennsylvania

Warner, Robert Steven

Cheltenham, PA

A.B., Temple University

Weiss, Kent E.

Elizabethtown, PA

B.S., Millersville State College

Weiss, Richard Scott

Pennsauken, NJ B.S., American University

Whaley, Lewis A.

Bridgeton, NJ

A.B., Greenville College

Yorgey, Jill Irene Allentown, PA B.S., Muhlenberg College

Zebert, Steven William

Reading, PA

B.S., The Pennsylvania State University

Zelonis, John Gerard

Pittsburgh, PA

B.S., California State College of Pennsylvania

Zimmerli, Marijane Dorothy

Ambler, PA

B.A., McMaster University

Zoranski, Bernard S.

Upland, PA

B.S., Widener University

Zuckerman, Victor J. Yardley, PA

B.S., Franklin and Marshall College

AWARDS

Special merit is recognized at the time of graduation for those faculty and students who have qualified for the following awards, some of which are presented each year at the commencement dinner.

THE CHRISTIAN R. AND MARY F. LINDBACK FOUNDATION AWARD FOR DISTINGUISHED TEACHING

This award by the Trustees of the Christian R. and Mary F. Lindback Foundation is given in recognition of distinguished teaching by members of the faculty of Philadelphia College of Osteopathic Medicine.

THE CHRISTIAN R. AND MARY F. LINDBACK FOUNDATION SCHOLARSHIP AWARDS

These scholarships are awarded by the Trustees of the Christian R. and Mary F. Lindback Foundation to students who are residents of the States of Delaware, Maryland, Pennsylvania or New Jersey who by their academic achievements, personal qualities and promise as osteopathic physicians are deemed worthy of this recognition.

THE DEAN'S AWARD

Awarded to that member of the graduating class who by personal and professional conduct and by contributions to student affairs and to the general program of Philadelphia College of Osteopathic Medicine has been deemed worthy of special citation as a recipient of the Dean's Award.

THE ALUMNI ASSOCIATION AWARD

Awarded by the Alumni Association of Philadelphia College of Osteopathic Medicine to that member of the graduating class who has been selected because of the high caliber of performance of professional duties in the hospitals and out-patient services.

THE FREDERIC H. BARTH MEMORIAL AWARD

Awarded to that member of the graduating class who has been selected on the basis of excellence in the field of bronchopulmonary and upper respiratory diseases.

THE JOHN H. EIMERBRINK, D.O., MEMORIAL AWARD

Awarded to that member of the graduating class who in the opinion of the members of the department of osteopathic principles and practice has shown exceptional ability in osteopathic therapeutics.

THE BELLE B. AND ARTHUR M. FLACK MEMORIAL AWARD

Awarded upon recommendation of the department of internal medicine to that member of the graduating class who has been selected as most proficient in the practice of internal medicine.

THE WILBUR P. LUTZ, D.O., MEMORIAL AWARD

Awarded upon recommendation of the department of internal medicine to that member of the graduating class who has been selected as the most proficient in physical diagnosis.

THE HAROLD C. WADDEL, D.O., MEMORIAL AWARD

This award is made to that member of the graduating class, upon recommendation of the staff of the department of obstetrics and gynecology, for exceptional competence in obstetrics and gynecology.

THE WILLIAM F. DAIBER, D.O., MEMORIAL AWARD

Awarded to that member of the graduating class who has been selected on the basis of exceptional ability in the field of cardiology.

THE KENNETH L. WHEELER, D.O., MEMORIAL AWARD

Awarded to that member of the graduating class whose achievement in studies in radiology has been of a high order.

THE STUDENT COUNCIL MEMORIAL AWARD

Presented by the Student Council of Philadelphia College of Osteopathic Medicine in memory of those students who passed away before graduating as osteopathic physicians: Homer Mackey, Lewis Rossman, D. Neil Grove, Richard F. Campo...Awarded to that member of the graduating class who attained the highest scholastic average in didactic study.

ROSTER OF STUDENTS **CLASS OF 1981**

Aitken, Robert John

Berlin, N.I.

B.A. Glassboro State College

Alfano, Samuel Lawrence

Pittston, PA

B.S., Lehigh University

Ambrose, Joseph Edward, Jr.

Hatfield PA

B.A., Bethany College

Anderson, Patrick J.

Levittown, PA

B.A., University of Delaware

Antosek, Richard Brian

Philadelphia

B.S., Villanova University

Arnold, Eileen Marie

Lebanon, PA

B.S., Flizabethtown College

Atkinson, Gary Leigh

Philadelphia

A.B., Temple University

Auerbach, Herbert Edward

Philadelphia

B.A., Boston University

Austin, Ruth

Florence Twp., NJ

B.S., Mansfield State College

Azelvandre, Jacqueline

Clarksburg, WV

B.S., West Virginia Weslevan College

Bacon, Glenn Sherwood

Riverton, NJ

B.S., United States Naval Academy

Bailey, John Holeman, III

Meadville, PA

B.S., Westminster College

Barsky, Robert lan

Penn Valley, PA

B.S., George Washington University

Baum, Beverly Anne

Elizabethtown, PA

B.S., Juniata College

Bauman, John Maurice

Erie, PA

B.S., The Pennsylvania State University

Beaton, David Lawrence

Erie, PA

B.S., Allegheny College

Belmont, Patricia Claire

Philadelphia

B.S., Ursinus College

Bernacki, Bernard Joseph

Pittsburgh, PA

B.S., M.P.H., University of Pittsburgh

Bianco, Richard Michael

Riverside, RI

B.S., Providence College

Bloomfield, Rachael Malhado

Bala Cynwyd PA

B.S., Northwestern University

Bonnet, Jean-Paul Lake Hopatcong, NJ

Brand, Joseph M.

B.S., University of Scranton

Summit Hill PA

B.S., Muhlenberg College

Brant. Gregory Charles

Indiana PA

B.S. in Pharm., University of Pittsburgh

Brazen, Anthony J.

Pittsburgh, PA

B.S., Elizabethtown College

Brown, Gerard D.

Norristown, PA

B.S., Elizabethtown College

Brown, Michael John

Waynesboro, PA

B.S., The Pennsylvania State University

Cahill, Stephen Douglas

Garden City, NY

B.S., Lehigh University

Calabro, Joseph John

Carbondale, PA B.S., University of Scranton

Cali, Gregory Ernest

Dunmore, PA

B.S., University of Scranton

Cammarano, Dominic Joseph III

Reading, PA

B.S., University of Pittsburgh

Capretto, Neil Anthony

Vandergrift, PA

B.S., Allegheny College

Chack, Joel Paul Philadelphia

B.A., University of Pennsylvania

Chalker, David Jordan, Jr.

York, PA

B.S., York College

Chiumento, Nicholas Patrick

Yatesville, PA

B.S., Wilkes College

Coleman, Barbara Anne

Springfield, PA

B.A., Saint Joseph's University

Collins, Lawrence Joseph

Lansdale, PA

B.S., Temple University

Connelly, Chris F.

Sewickley, PA

B.S., Bethany College

Conroy, John Daniel, Jr.

Philadelphia

B.A., The Pennsylvania State University

Cowen, Lee Andrew

Penn Wynne, PA

B.S., Syracuse University

Cuffy, Hudson Alexander

Philadelphia

B.S., Morgan State University

Davis, Lee Willard

Clark's Summit PA B.S. University of Scranton

DeBias, Glenn Anthony

Philadelphia

B.S., Saint Joseph's University

DeSalvio, James Robert

Glen Rock, NJ

B.S., Villanova University

DiCenzo, Frank Donald III

Pittsburgh, PA

B.S., Allegheny College

DiPasquale, Thomas Gerald

Conshohocken, PA

B.A., Quinnipiac College

Dobritt, Dennis William

Brighton, MI

B.S., Western Michigan University

Dombrowski, Henry Timothy

Philadelphia

B.S., Allentown College

Doroski, Kenneth Konrad

Aqueboque, NY

B.S.. The State University of New York at

Albany

Dubiel, Henry Joseph

Philadelphia

B.S., The Pennsylvania State University

Dworkin, Gerald Eli

Wallingford, PA

B.S., Muhlenberg College

Eaves, Charles Curry, Jr. El Paso, TX

B.S., University of Texas

Ebrahim, Kurt Steven

Holland, PA

B.S., Duquesne University

Eichert, Stephen Joseph

Southampton, PA

B.S., Muhlenberg College

Epstein, Marc Irwin

Philadelphia

B.A., La Salle College

Erme. Marguerite A.

Farrell, PA

B.S.. The Ohio State University

Eshbach, Mary Ann

Reading, PA

B.S., Albright College

Ewing, Edward Alburtis, PA

B.S., Muhlenberg College

Fanning, James

Oreland, PA

B.S., Saint Joseph's University

Feinman, Larry Jay

Willow Grove, PA

B.S., Lebanon Valley College

Feldstein, Jay Stuart

Philadelphia

B.A., The Pennsylvania State University

Ferguson, James Lee

Philadelphia

B.S., University of Washington

Ferraro, James Charles

Monongahela, PA

B.S., M.Ed., California State College

Fishman, Richard A.

Conestoga, PA

B.S., The Pennsylvania State University

Fornace, John Walter

Fort Washington, PA

B.A. Bucknell University

French, Donald Bussell

Pennsauken NJ

B.S. Purdue University

Gallagher, Mark Anthony

Wyomissing, PA

B.S., Albright College

Gavin, Martin Francis

Springfield, PA

B.S., Saint Joseph's University

Geissen, C. Marvin

Fagleville, PA

B.S., The Pennsylvania State University

B.S., Temple University

Giliberto, Pamela Anne

Wilmington, DE B.A., University of New Hampshire

Ginsburg, Richard Elliot Levittown, PA

B.A., Boston University

Giuliano, Michael Gerard

Belleville, NJ

B.S., Seton Hall University

Glah, James Joseph

West Chester, PA

B.S., Saint Joseph's University

Goliat, Steven James

Seven Hills, OH

B.S., John Carroll University

Gonzalez, Richard

Hyattsville, MD

B.S., University of Maryland

Goodman, Paul H.

W. Nanticoke, PA

B.S., Wilkes College

Green, Brad E.

Bala Cynwyd, PA

B.A., University of Pennsylvania

Guagenti, Robert C.

Philadelphia

B.S., Saint Joseph's University

Hagey, Theodora K.

Hellertown, PA

B.S., Philadelphia College of Pharmacy and Science

Hahalvak, Michael P.

Pittsburgh, PA

B.A., University of Pennsylvania

Hahn, Larry Steven

Philadelphia

B.S., University of Pittsburgh

Halberstadt, Gary Marshall

Levittown, PA

B.A., Weslevan University

Haluska, Joseph Francis

Hastings, PA

B.S., Saint Vincent College

Harkness. James Emerson

McMillan MI

B.S., Central Michigan University

Harpul, Loraine Gwendolyn

Pottstown, PA

B.A., Rosemont College

M.A., Bryn Mawr College

Heckenluber, Steven George

Biglerville, PA

B.S., The Pennsylvania State University

Heine, Martin Kurtz

Huntingdon, PA

B.S., Dickinson College

Helzner, Michael David

Philadelphia

B.S. The Pennsylvania State University

Hennessy, Michael Patrick

Springville, NY

B.A. Canisius College

Herson, Joseph Lawrence III

Langhorne, PA

B.S., University of Virginia

Himes. Randy Stewart

Grove City, PA

B.A., Mansfield State College

Hoffman, Allen Richard

Penn Valley, PA

B.A., Northeastern University

Hostetter, Heber P., III

Columbus, OH

B.S., M.S., Iowa State University

Ph.D., University of Arizona

laccarino, Dennis Louis

Philadelphia

B.S., Saint Joseph's University

Inabnit, Ralph E.

South Bend, IN

B.A., M.A., Andrews University

Isaacman, Scott Howard

Harrisburg, PA

A.B., M.S., Temple University

Jaeger, Fredrick James

Bedford, OH

B.S., B.A., Miami University

Jendzejec, Stephen Michael

Coventry, RI

B.S., Rensselaer Polytechnic Institute

Johnston, Craig Tyrrell

Erie, PA

B.S. in Pharm., University of Pittsburgh

M.S. in Pharm., The Ohio State University

Kane, Francis John

Mahanoy City, PA B.S., Albright College

Kanoff, Martin E.

Cheltenham, PA

B.A., Trinity College

Kaufman, Susan Ilene

Philadelphia

B.S., Albright College

Keiser, Alan Lee

Lewisburg, PA

B.S., Bucknell University

Kelshaw, Charles Robert

Weatherly, PA

B.S., Rensselaer Polytechnic Institute

Khalouf, Fred K.

Altoona, PA

B.S., Saint Francis College

Kliefoth, William L., Jr.

Yardlev, PA

B.S., Delaware Valley College of Science and Agriculture

Kline. Bradley Howard

Harrisburg, PA

B.S., Muhlenberg College

Kluck, Bryan Walter

Clifton, NJ

B.A., Gettysburg College

Kondash, Dennis James

Tresckow, PA

A.B., Temple University

Kraicirik, William Joseph, Jr.

Lansford, PA

B.S., Allentown College of St. Francis de Sales

Kruse, Richard Wavne

West Hazleton, PA

B.A., University of Delaware

Kunjak, Michael P.

Tarentum, PA

B.S., Bethany College

Lamb, William, Jr.

Glenshaw, PA

B.S., Saint Vincent College

Lee, Brendan Joseph

Birmingham, MI

B.A., University of Michigan

LeMasters, William Charles

Tamagua, PA

B.S., Drexel University

Lerner, Laran J.

Wyncote, PA

B.S., The Pennsylvania State University

Lewis, Ronald L.

Philadelphia

B.S., Allentown College of Saint Francis de Sales

Lubin, David lan

Broomall, PA B.S., Villanova University

Lutz, Richard A.

Camp Hill, PA

B.S., Moravian College

Magrann, Arthur Thomas

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A.B., M.A., Temple University

Majernick, Thomas G.

Scranton, PA

B.S., The Pennsylvania State University

Mangiaracina, Anthony D., III

Bristol PA

B.S. Bloomsburg State College

Marcelli, Enrico A.

Havertown, PA B.S. Saint Joseph's University

Mariani, John K.

Pottstown, PA

B.A. La Salle College

Martin, James Edwin

Waynesburg, PA B.S. Waynesburg College

Masceri, David Robert

Huntingdon Valley, PA B.A., La Salle College

Mauney, Lou David

West Palm Beach, FL B.A., University of South Florida

McClain, James B.

Hollidaysburg, PA

B.S., Saint Francis College

McCormack, Daniel R.

Sewickley, PA

B.S., Villanova University

McCorry, James William

Malvern, PA

B.S., Widener University

McDonald, John Zaner

Lansdale, PA

B.S., Ursinus College

McNelis, James Thomas

Hazleton, PA

B.S., University of Scranton

McNulty, Stephen E.

Center Square, PA

B.S., Saint Joseph's University

Mehalick, Gerald Thomas

Dushore, PA

B.A., Wilkes College

Mercer, Ronald Brandt

Ridley Park, PA

B.S., Temple University

Merchant, William Thomas

Philadelphia

B.S., University of Pittsburgh

Meverson, Lowell D.

Erdenheim, PA

B.A., Albright College

Michaelson, Peter John

Pittsburgh, PA

B.S., University of Pittsburgh

Millard, James Setzler

Lancaster, PA

B.S., University of Oklahoma

Miller, Blaine R.

Wilmington, DE

A.B., Temple University

Miller, Ellen M.

Merion, PA

B.S., The Pennsylvania State University

Miller, Paul M.

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A.B., M.S., Temple University

Mintzer, Harry Dean

Mount Ephraim, NJ

B.S., Alderson-Broaddus College

Moncman, Michael-Gerard Joseph

Allentown PA

B.S. Allentown College of Saint Francis de Sales

M.S., The Catholic University of America

Mondero, Nancy A.

Beaver Meadows, PA

B.S., Elizabethtown College

Neustadter, Lawrence Mark

Margate, NJ

B.S., Ursinus College

M.S., Villanova University

Nicholas, Evan Alan Drexel Hill, PA

B.A., Gettysburg College

Nicosia, Roger Julian, Jr.

Jamesport, NY

B.A., Gettysburg College

Nunan, Desmond James, Jr. Allentown, PA

B.S., University of Pittsburgh

Orloski, JoAn Mary

Duryea, PA B.S., Marywood College

M.A., Villanova University

Ph.D., The Pennsylvania State University

Palmer, Hugh Eliot

New Freedom, PA

B.S., The Pennsylvania State University

Paolantonio, Frank

Bergenfield, NJ

B.S., Seton Hall University

Pariser, Benjamin Joseph

Havertown, PA

B.S., Muhlenberg College

Pawlowsky, Michael

Philadelphia

B.A., La Salle College

M.S., Drexel University

Peluso, Francis Edward

Brooklyn, NY

B.A., New York University

Peterman, Ambrose B.

Pottstown, PA

B.S., Elizabethtown College

Potomski, John H.

Springfield, NJ

B.S., Seton Hall University

Previty, Mary Elizabeth

Philadelphia

B.S., Moravian College

Rahall, Lawrence Fav

Bellevue, PA

B.S., Allegheny College

Rakosky, Michael A.

Middletown, PA

B.A., Susquehanna University

Ramsey, Carol Suzanne

Hayward, CA

B.A., California State College

M.A., The Pennsylvania State University

Rathgeber, Richard Harvey

Furlana PA

A.B., Temple University

Reddy, Julia Marie C.

Philadelphia

B.S., Gwynedd Mercy College

Renfro, Robert H., Jr.

Plainview, TX

B.A., Arizona State University

Restaino, Stephen C.

Wilmington, DF

B.A., University of Notre Dame

M.S., Wagner College

Richman, Steven L.

Philadelphia

B.A., East Stroudsburg State College

Roda, David Michael

Lancaster, PA

A.B., Harvard College

Roman, Cecelia Florence

Philadelphia

B.A., Boston University

Romascavage, Frank Garv

Saylorsburg, PA

B.A., East Stroudsburg State College

Rosenau, Alexander Max

Langhorne, PA

B.S., Albright College

Ruggiero, Gabriel

Hazleton, PA

B.S., Wilkes College

Saponaro, Kathryn Marie Southampton, PA

B.A., Immaculata College

Scalise, Andrea Marie

Erie, PA

B.S., Gannon College

Schwartz, Joseph T.

Philadelphia

B.S., Drexel University

Scott, Clarence Albert

Troy, PA

B.A., Mansfield State College

Segal, Sharon Rebecca

Philadelphia

B.S., Boston University

Sesso. Arthur J.

Philadelphia

B.S., Saint Joseph's University

Shapiro, Marion D.

Roslyn, NY

B.A., Lafavette College

Sharretts, Ray Edward

Bloomsburg, PA

B.A., Allegheny College

Shettsline, James M.

North Wales, PA

B.S., Saint Joseph's University

Shirley, Gail Ellen

Bethlehem, PA

B.S., East Stroudsburg State College

M.S., Temple University

Simon, James Neal

Wyndmoor PA

B.A., Drew University

Skurla, Richard William

Berwyn, PA

A.B., Lafayette College

Sluhocki, Mark

Hudson, PA

B.S., King's College

Sneeringer, Thomas D.

West Hickory, PA

B.S., Saint Vincent College

Spagnola, Nicholas John

York PA

B.S., University of Maryland

Stepanitis, Joseph W.

Hazleton, PA

B.S., Slippery Rock State College

Stever, Michael Richard

Tyrone, PA

B.S., Juniata College

Stork, Donald Edward, Jr.

Reading, PA

A.B., Temple University

Stoudt, Kathy Jo

Shillington, PA

B.S., Albright College

Susi, J. Richard

Sharpsville, PA

B.A., Case Western Reserve University

Sustersic, Vincent Paul

Maple Hts., OH

B.S., John Carroll University

M.S., Villanova University

Taptykoff, Michael S.

Springfield, PA

B.S., Saint Joseph's University

Taylor, Donald Harry

Accokeek, MD

B.S., M.A., Wayne State University

Todd, Larry Wayne

Allentown, PA

B.S., Muhlenberg College

Tursi, Frank Mark

Drexel Hill, PA

B.S., Widener University

Viola, Christine Ryan

Ardmore, PA

B.A., Rosemont College

von Hake, Christopher Philip

Havertown, PA

B.S., University of Notre Dame

Waterman, Jack

Hatboro, PA

B.S., Albright College

Weber, George L.

Philadelphia

B.A., La Salle College

Weinberger, Richard L.

Scranton, PA

B.S., Arizona State University

Wruble, Bruce Samuel

Wilkes-Barre, PA B.S., Hobart College

Yanoshak, Robert Nicholas

Plains, PA B.S. Wilkes College

Zelko, Timothy Joseph

Kenosha, WI B.S., University of Notre Dame

Zipperer, William Paul Houston, TX B.S., University of Houston

CLASS OF 1982

Adukaitis. Bernard Charles

Frackville PA

B.S., University of Notre Dame

Allshouse, Michael James

Mechanicsburg, PA B.S., Allegheny College

Alt. Michael Gerard

Leesburg, FL

B.A., University of South Florida

Andolsek, William Charles

Erie, PA

B.A., Gannon College

Badolato, Joseph P.

Philadelphia

B.S., Saint Joseph's University

Bakst, Barry Leslie

Southfield, MI

B.S., Michigan State University

Baldino, Anna Rita

Philadelphia

B.S., Drexel University

Ball. David Stuart

Philadelphia

A.B., Temple University

Balog, Robert Andrew

Harriman, TN

B.S., Tennessee Wesleyan College

Bender, John Hiram

Lebanon, PA

B.A., Franklin and Marshall College

Bever. Robert Andrew

Bethayres, PA

B.S., Temple University

Blasiol, Joseph John

Schuylkill Haven, PA

B.A., Franklin and Marshall College

Bobby, John Leslie

California, PA

B.S., University of Pittsburgh

Brenner, Jerry Mark

Harrisburg, PA

B.S., Dickinson College

Brodkin, Abby Sue

Merion, PA

B.S., Rensselaer Polytechnic Institute

Brodsky, Jeffrey Alan

Bala Cynwyd, PA

B.S., The Pennsylvania State University

Brooks, Francis Wayne

McKeesport PA

B.S. University of Pittsburgh

Bucholtz. John Robert

Latrobe, PA

B.A., Washington and Jefferson College

Burcin, Kathy Ann

Harrisburg, PA

B.S. Flizabethtown College

Burruano, Michael P. Harrington Park, NJ

B.A., Lovola College **Busack, James Anthony**

Bellaire, OH

B.S., United States Military Academy

M.B.A., University of Utah

Campo, Tarcisio Soave

Pen Arayl, PA

B.S., University of Pittsburgh

M.A., Lehigh University

Caton, Barbara Lucinda

Uniontown, PA

B.S., The Pennsylvania State University

Caucci, Emilio Joseph

Bristol, PA

B.S., The Pennsylvania State University

Cerato, Louis Mark

Leedom Estates, PA

B.S., University of Pittsburgh

Cherrey, Robert Martin

Clifton Heights, PA B.A., Dickinson College

M.A., Temple University

Christ, Philip William

Chalfont, PA

B.S., Ursinus College

Christensen, George Chris III

Norristown, PA

B.S., University of Maryland

Clark, Michael Warren

Fennville, MI

B.S., Michigan State University

Clarke, Ronald Jav

Media, PA

B.S., Elizabethtown College

Corcoran, Kevin Joseph

Archbald, PA

B.S., University of Scranton

Cunningham, Laurence William

Havertown, PA

B.S., Villanova University

Davidson, James Patrick

Altoona, PA

B.S., The Pennsylvania State University

DeAngelis, Patricia Ann

Springfield, PA

B.A., University of Delaware

DeAntonio, Harry James

Altoona, PA

B.S., The Pennsylvania State University

DeChellis, Ernest Arthur

Youngstown, OH

B.A., Villanova University

Del isi. Nate Frank

Butler PA

Th.B., Baptist Bible College of Pennsylvania

Dende, Paul Francis

Scranton, PA

B.S. in Pharm., Philadelphia College of

Pharmacy and Science

DiMarcangelo, Mark Thomas

Sumneytown, PA

B.S., Ursinus College

Dinsmore, Steven Thomas

Philadelphia

B.S., Drexel University

Donnard, Cathy J.

Lancaster, OH B.S. Juniata College

Dubowitch, Stuart Glen

Cherry Hill, NJ

B.S., Rutgers-The State University

Eles, Gustav Richard

Pittsburgh, PA

B.A., Washington and Jefferson College

Eshleman, Jere Richard

Lancaster, PA

B.A., Franklin and Marshall College

Eslinger, Thomas Michael

Northampton, PA

B.S., Muhlenberg College

Everett. John Estes III

Hermitage, PA

B.S., The Pennsylvania State University

Farrell, Cynthia Ann

Buttzville, NJ

B.A., East Stroudsburg State College

Fasline, Ronald Joseph

Campbell, OH

B.S., Westminster College

Feinberg, Bruce Alan

Philadelphia

B.S., Dickinson College

M.A., Temple University

Feinstein, Kathi

Narberth, PA

B.A., University of Pittsburgh

Fetzer, Frederick Paul

Allentown, PA

B.S., Muhlenberg College

Fierro, Vincent Stephen

Wilmington, DE

B.A., University of Delaware

Fine, Cindy Lee

Wallingford, PA

B.S., Saint Joseph's University

Finelli, Daniel Matthew

Bangor, PA B.A., University of Pennsylvania

Fioravanti, Gloria Theresa

Philadelphia

B.S., Saint Joseph's University

Fisher, Scot Adam

Media, PA

B.A., Princeton University

Fitzgerald, John James

Philadelphia

B.A., La Salle College

Freedman, Mitchell Kirk

Philadelphia

B.A., La Salle College

Fritz, Albert Robert III

Brooklyn, NY

B.S., New York Institute of Technology

Fritz, Robert Alfred

North Cape May, NJ

B.S., Ursinus College

Gable, Lorraine Dorothy

Philadelphia

B.A., Immaculata College

Gartzman, Alan Zachary

Pennsauken, NJ

B.A., University of Pennsylvania

Gavula, Denise Pauline

Glen Mills, PA

B.A., Rosemont College

M.A., Bryn Mawr College

Gawlas, Michael Raymond

Johnstown, PA

B.S., The Pennsylvania State University

Geiger, David Nolt

Landisville, PA

B.S., Elizabethtown College

Gelburd, Gregory Stuart

Philadelphia

B.A., Wake Forest University
M.S., University of Pittsburgh School of Public Health

Gentile, Reid A.

Drexel Hill, PA

B.S., University of Pennsylvania

Gibney, Michael James

Langhorne, PA

B.A., La Salle College

Giliberti, Richard Anthony

Fairlawn, NJ

B.S., Fairleigh Dickinson University

Gloria, Stephen Brian

Dover, NJ

B.S., Seton Hall University

Glorioso, Dominic Francis

Lansdale, PA

B.A., La Salle College

Glover, Henry Marwood

Camden, NJ

B.A., Rutgers-The State University

Goldberg, Glenn Ivan

Springfield, PA

B.S., The Pennsylvania State University

Gonsky, Mark Anthony

Wilkes-Barre, PA

B.A., King's College

Greco, Richard Alan

Mount Carmel, PA

B.S., Bucknell University

Green, Robert Lawrence

Philadelphia

B.A., La Salle College

Greer, Jordan Hugart

Philadelphia

B.S., University of Alaska

Grote, Stewart Ross

Scotch Plains, NJ

B.S., Cornell University

Grove, Jeanne Eberhardt

Pittsford, NY

B.A., University of Rochester R.N., Saint Joseph's Hospital

Gunselman, Joseph Gerard

Ephrata, PA

B.S. in Pharm.. Philadelphia College of Pharmacy and Science

Hart, Burton Bruce

Youngwood, PA

B.S., M.Ed., State University of New York at

Buffalo Ph.D., The Ohio State University

Hartman, Stuart Allen

Lebanon, PA

B.S., Juniata College

Harwick, Frederick W.

Emmaus, PA

B.S., Muhlenberg College

Hedrick, Arlie Walter

Boothwyn, PA

B.S., Ursinus College

Heim, Roger Allen

Flizabethtown, PA

B.S., Elizabethtown College

M.S., Franklin and Marshall College

Heisse, Rosemarie Claire

Harrisburg, PA

B.A., Boston University

Hitchon, Herbert Dorfner Ambler, PA

B.S., Philadelphia College of Textile and

Science

Holmes, William Robert

Stillwater, PA

B.S., University of Scranton

Horan, John Francis Xavier

Fairfield, CT

B.S., University of Notre Dame

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B.A., University of South Florida

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